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ABSTRACT

To determine the impact of vocational education research and related projects on educational practice in Pennsylvania since 1966, descriptive data were gathered on 115 Research Coordinating Unit (RCU) projects funded from 1966 through March 1972. Some general findings were: (1) Most projects were housed in public schools (Grades 9-12) serving large rural or urban communities, (2) Most targeted populations were "regular" students, but disadvantaged and handicapped students were represented, (3) Research, curriculum development, and training programs were the major face of most projects, (4) Impact in educational practices tended to be limited to local geographic areas, (5) Local vocational education advisory councils were little used, but when used, they proved to be effective, (6) Most trainees were white, with blacks accounting for 7.5 percent of all trainees, and (7) Adequacy of RCU funding, external and internal influences, and assistance received had the strongest influences on outcomes among all project. Based on these results, it was suggested that directors better utilize internal sources of influence (parents, students, advisory councils, and others) and that the role of the RCU be expanded, in terms of greater interaction with projects during and after funding. A formal and systematic model to enable such interaction is included in this report. (SB)

ASSESSMENT OF THE IMPACT OF VOCATIONAL EDUCATION RESEARCH AND RELATED PROJECTS ON EDUCATIONAL PRACTICE IN PENNSYLVANIA SINCE 1966

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Conducted for: THE STATE DEPARTMENT OF EDUCATION RESEARCH COORDINATING UNIT BUREAU OF VOCATIONAL-TECHNICAL & CONTINUING EDUCATION

Conducted by:

ERIC

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AN ASSESSMENT OF THE IMPACT OF VOCATIONAL EDUCATION RESEARCH AND RELATED PROJECTS ON EDUCATIONAL PRACTICE IN PENNSYLVANIA SINCE 1966

August 1972

This research study was conducted by A.M.C. under contract (project No. 19-1050) with the Commonwealth of Pennsylvania, Department of Education, for the Research Coordinating Unit of the Bureau of Vocational-Technical and Continuing Education.

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AMERICAN MANAGEMENT CENTER, INC. 262 SOUTH 15th STREET • PHILADELPHIA, PA. 19102

August 15,1972

Dr. Ferman B. Moody, Director Research Coordinating Unit Bureau of Vocational-Technical & Continuing Education Department of Education Box 911 Harrisburg, Pennsylvania 17126

Dear Dr. Moody,

The American Management Center, Inc., (AMC) is pleased to submit one hundred (100) copies of the final report on the "Assessment of the Impact of Vocational Education Research and Related Projects on Educational Practice in Pennsylvania since 1966."

This study was conducted according to our agreement and the study design approved by you and your associates. We feel certain, that you will find this study informative and of considerable assistance to you and those involved in vocational-technical education and its research in Pennsylvania.

We are grateful and appreciative for the cooperation and assistance extended to our personnel by you, your staff and other vocational educators throughout the conduct of this study.

It has been our pleasure to serve you and the Commonwealth and we hope to be of service to you in the near future.

Sincerely yours,

John

John F. Dzera, Ph.D. President



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FOREWORD

The major thrust of this study was to assess the impact of projects funded through the Research Coordinating Unit (R.C.U.) on Vocational Education practice in Pennsylvania. Impact and factors affecting impact were the focus and design of the study.

Information and perceptions were collected from those closest to the projects, e.g. the project directors themselves and key Vocational Education personnel at the State level. Because of time constraints, as well as budgetary limitations, a more extensive study could not be undertaken. However, it was found that the project directors were quite direct and honest in their responding to the mailed questionnaire and the interviews.

The manuscript was designed in a manner that would hopefully encourage its complete reading. However, for those who wish not to "wade" through the data, Chapter 1 (Overview of the Study), Chapter 4 (Description of the Projects), Chapter 7 (General Findings, Conclusions and Recommendations), and Chapter 8 (Model for Monitoring R. C. U. Funded Projects) are a must and will give the reader a complete overview of the study and results.

All data analyses were run on an IBM 370/165 computer. The basic statistics were derived from Bromedical Computer Programs (Dixon, W. J. - <u>BMD</u>: <u>Biomedical Computer Programs No. 2</u>. Berkeley: University of California Press, 1970). The BMDO5M was used to analyze data reported in Chapter 5, while the BMDO3R was used to analyze data found in Chapter 6. Other programs from the BMD package were used to analyze data found in the remaining chapters.

Although specific suggestions were made concerning the focus, structure, and mission of the R.C.U., this was not the primary purpose of the study. These suggestions were "Satellite benefits" flowing from the results of studying the impact of the projects funded.

Given the amounts of monies expended by governmental agencies, the pressing needs of educational reform and the need to understand the interworkings that lead to success (or failure), we hope that this study will provide some of the needed information for dealing with these crucial issues.



ACKNOWLEDGEMENTS

It would have been difficult to conduct this study without the cooperation, assistance, encouragement, and support of a great many people.

We are greatly indebted to Dr. John W. Struck, Director for Vocational-Technical and Continuing Education for the State of Pennsylvania and Dr. Ferman B. Moody, Director of the Research Coordinating Unit, and his staff for their encouragement and support, from the very beginning to the completion of this study.

We are grateful to the following, who gave time from their very busy schedules to be interviewed by our staff, and provided invaluable assistance and insightful comments; Mr. Robert Jacoby, Dr. William Seldon, Mr. Steven Sworen, Mr. Robert Edwards, Dr. T. Dean Witmer, Ms. Margaret Horne, Ms. Blanche Curran, Ms. Carrol Kratz, Mr. Charles Lebo and other Vocational Educators.

The on-site visitations and interviews were conducted by: Mr. Curtis Bradeley, Mr. Timothy Carroll, Mr. Anthony Colistra, Mr. Herbert L. Keyser, and Mr. Hugh Swogger. These staff members travelled the width and breadth of the State of Pennsylvania and collected the data for this study. We are, indeed, thankful to them for their efforts and a job well done.

Invaluable assistance was provided by Mr. Raymond Webster and Ms. A. Poor in setting up the computer and analyzing the data collected for this study. Dr. George M. Parks and Mr. Dwight Stewart provided major support, encouragement and constructive criticism to the project team throughout the conduct of this study.

Recognition should also be given to all those who filled out the Questionnaire-Opinionnaire and/or were interviewed. They were the main source for the data--without them this study would not have been possible.

We are also thankful to Ms. Gertrude Tucker and Ms. Rosmaree Hauck who did a splendid job in typing the initial and final drafts of the study.

> David Kapel Project Director

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- 7. Projects conducted by R.C.U. at the state level had positive influence on vocational-technical education practices in Pennsylvania.
- 8. Satisfaction, generated by the projects, on those who came into contact with them appeared to be quite positive. Those closest to the projects were more positive than those who had less to do with day-to-day operations.
- 9. There were slight positive changes in attitudes of participants in the projects. Intrapersonal changes were the most positive.
- 10. R.C.U. funding was considered almost adequate by the directors.
- 11. Directors requested and received assistance from the R.C.U. and the Vocational Education Bureau of the State. They requested, but received little assistance from their own school district personnel.
- 12. Directors would like to see more interaction between R. C. U. and themselves after funding has been approved.
- 13. Local Vocational Education Advisory Councils were little used; but when used they proved to be effective.
- 14. Few programs had any formal external evaluation. However, most evaluations were conducted internally.
- 15. Most trainees were White, with Blacks accounting for 7.5% of all trainees. There were almost no Puerto Rican trainees.
- 16. There were differences among projects when grouped in terms of; types of communities served; size of communities served; types of programs; degree of funding; ethnic identification of students trained; and whether programs trained teachers or students. There were no differences among one year, two year, and three year projects. The factors that were making differences among the groups were: prime objectives, unexpected outcomes, factors hindering success, influencing educational practices at the national level, internal influences, satisfaction generated by the programs, changes in attitudes, adequacy of R. C. U. funding, amount of assistance, and effectiveness of Vocational Education Advisory Projects serving large communities were different Councils. from other projects. Differences were also found in work study, equipment, and curriculum type projects.
- 17. Adequacy of R. C. U. funding, external and internal influences and assistance received, had the strongest influences on outcomes

ABSTRACT

This study was designed to determine the impact of vocational education research and related projects on educational practice in Pennsylvania since 1966. The study was divided into five basic phases:

- 1. identification of all R. C. U. funded projects from 1966 through March, 1972, and development of instruments to collect data on the projects;
- 2. piloting of the instruments and training interviewers;
- 3. data gathering;
- 4. analysis of the data; and
- 5. writing the report.

Appropriate statistical procedures (including Chi Squares, Multiple Discriminant Analysis, Multiple Regression Analysis) were used to analyze the data.

The general findings were:

- 1. Most projects were housed in public schools (grades 9-12) serving more often than not, large rural or urban communities.
- 2. Most targeted populations were "regular" students, while disadvantaged and handicapped students were well represented.
- 3. Research, curriculum development, and training programs were the major foci of most projects.
- 4. The projects generally were considered to be successful in meeting most of the prime objectives. The directors were quite positive in this area. Teachers and materials were major contributors to meeting such goals.
- 5. Impact in educational practices tended to be limited to local geographic areas. Curriculum and instructional procedures were the areas in which the projects had the most influence.
- 6. The directors, students, and teachers were the major source of internal influence on decision making, while state governmental policies and community were the strongest positive sources of external influence.

among <u>all</u> the projects. Per unit cost, effectiveness of Vocational Education Advisory Councils, and length of projects had the least influence on outcomes. Not all factors had the same effect on all groups of projects. R. C. U. funding variables had an effect on changing attitudes, while internal and external influences affected educational practices, satisfaction generated, and goals reached.

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Based on the data collected and analyzed, additional suggestions and recommendations were made. These suggestions were centered of the roles of project directors and R. C. U. Primarily it was suggested that directors better utilize internal and external sources of influence (e.g. parents, community, Vocational Educational Advisory Councils, students, etc.). The suggestion that the role of R. C. U. be expanded, in terms of greater interaction with projects during and after their funding, was made. A formal and systematic model for this interaction was developed in the report.

CHAPTER 1

OVERVIEW OF THE STUDY

Introduction

This document constitutes the final report to the Pennsylvania Research Coordinating Unit (R.C.U.) for Vocational-Technical and Continuing Education of research performed by the American Management Center (A. M.C.) to meet and fulfill the stated goals and requirements of R.C.U. project number 10-1050.

As indicated in the initial proposal submitted by A. M. C., "few follow-up activities have been initiated to determine what happens once funding is over." It was for this express purpose, as well as to the question of impact, and factors affecting impact, that led to the development of a questionnaire - opinionnaire and a schedule for on-site interviews.

Procedures

The study was divided into five basic phases. The first phase (1) was concarabd with: the careful identification of all R. C. U. funded projects conducted and completed from 1966 through March, 1972; the identification and acquisition of available data, proposals, objectives, final reports (e.g., P. A. R. M. S., reports from other states, data available through the ERIC system, E. T. S., and Ohio State Center for Vocational and Technical Education, etc.) for the purpose of instrument development; and conferences with R. C. U. personnel, vocational education and industrial arts teachers, and experts in vocational education and industrial arts at the university level.

In addition, Phase 1 included the initial development of two instruments that complemented each other - yet focused on different concerns. The questionnaireopinionnaire (Appendix A) dealt with: impact questions, questions that were directly concerned with governmental (R. C. U., state, local, etc.) effects and interaction; general questions concerning the project and its structure and design; and demographic data collecting. A breakdown of questions by topic area is found in Table 1. The actual questionnaire had two major subdivisions - subdivision one (questions 1-26) was to be answered by all respondents; in addition those involved directly in training/educating students, adults, teachers or other professionals were to respond to subdivision two (questions 27-30). (Refer to Table 1.)

The major purpose of a site visit was to obtain additional information and to give the project personnel an opportunity to make comments and share information and thoughts that may or may not be brought out by the questionnaire-opinionnaire. The interview schedule was designed only to complement the written instrument – its intent was not to act as a substitute.

The schedule was so designed as to enable an interview to be completed within one to two hours. Specific directions for the interviewer were also included in the schedule. (The schedule appears in Appendix B of this final report.)

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TABLE 1

Distribution of Questions by Topic Area in the Questionnaire-Opinionnaire Used in the Study

Topic Area	Question Numbers	Total Number of Questions
Impact	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 28, 29, 30.	14
Governmental Effects	16, 19, 20, 21	4
General-Project Structure	3, 4, 17, 18, 22, 23, 24, 25, 26.	9
Demographic	1, 2, 27.	<u>3</u> 30

The questions asked were: impact types (1, 2), general-project structure (3, 4), governmental effects (5), (plus an informal question asked at the end of the interview) physical identification (6), and a "good and welfare" type response (7).

Phase 1 also included the up-dating of addresses. This was accomplished by telephone from the A. M. C. offices in Philadelphia. It became apparent that several of the projects would be difficult to locate for varied reasons:

a. The project director was no longer employed by the agency;

b. The project was of the nature that it was quite transient or had little structure (e.g., doctoral study);

c. The project was completed so long ago that its effects no longer exist and/or assessing its effects at this time would be meaningless;

d. The name of the director on the final report was the chief administrator who had little or nothing to do with the project;

e. The actual director could not be located anywhere;

f. The actual project could not be located, or

g. Duplication - the same project having two or more different project numbers.

In some cases one or more of the above factors played a part in making the up-dating of all addresses impossible. Despite the above difficulties, questionnaires-opinionnaires were sent to the last known project address - in all 151 project numbers were included in the survey.

The initial instrument was piloted (in Phase 11) on several directors of projects for revision purposes. The instrument was revised several times, utilizing the varied input from teachers, directors, and university personnel. A conference was held on April 7, 1972 with several R. C. U. staff, including the R. C. U. Director, to allow for final revision before printing.

The identification and training of five interviewers to perform the interviews occurred during Phase 11. A stratified random selection of projects for on-site visitations was also completed. The projects were stratified according to vocational service areas and, where possible, by geographic regions. This was done to insure, to the best of our ability, representation of all service areas and geographic regions in the State. Because of the high cost of interviewing (travel, room, meals, etc.) all projects with funding below \$1,000 were excluded. It was concluded that more meaningful data could be collected from larger projects, and that the time, effort, and costs would mitigate interviewing directors of projects below \$1,000 total funding. Forty-five on-sitc visitations of projects was our goal. Because of time constraints and difficulty of locating older projects, it was difficult to guarantee a set figure for on-site visitation; however, each interviewer was given a listing of projects to contact in order to arrange for visitations. All interviewees were given a cut-off time by which they were requested to complete on-site visitations; this cut-off date was June 1st, 1972. The director of the project personally made on-site visitations to 19 projects, as well as interviewing key personnel in the Bureau of Vocational-Technical and Continuing Education in Harrisburg.

Phase III was designated the data gathering period. Printed instruments were sent to 151 projects funded by R. C. U. and completed by March, 1972. All mailings included self-addressed stamped envelopes to allow for ease of return. A return date of May 12th was established. Follow-up procedures included a second mailing (June 10th) to the non-respondents with an additional telephone reminder a week later. (Excluded were those projects from where an instrument had been returned to A. M. C. undelivered.) Phase III also included collecting data via the on-site visits. All interviewers returned completed interview schedules 24 hours after returning home, thus, all the interviews were completed by June 1st.

Because of the second mailing, Phase III was not completed until June 26th. The last two phases - IV (data analysis) and V (writing the report) were started. Data analyses included frequency counts, percents, means, standard directions, multiple discriminant analysis, and multiple regression analysis. The functions of discriminant analysis was to determine whether various types of projects were different from others on selected factors. The regression analysis was used to determine which variable, or variables, appeared to be most significant in determining, influencing, or predicting selected factors (e.g., success, influence, etc.).

Because of time constraints and significant cost factors, an in-depth study could not be considered in the design of this evaluation. The collection and analysis of in-depth census, economic, labor, and educational data in a moningful manner related to the intent of this study would take one to two years with a staff many times larger than the eight personnel involved in this study. The study consequently focused on the perceptions of individuals directly related to R. C. U. funded projects, with regard to the impact such projects have had on their areas of education and society. The collected data was analyzed using descriptive and inferential statistics to answer not only the questions concerning the "what" of impact, but also the "how".

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CHAPTER 2

THE NATURE OF THE PROJECTS FUNDED BY R.C.U.

In order to determine the types of instruments to be developed and used, A. M. C.'s participating personnel had to familiarize themselves with the types of programs funded by R. C. U. from 1966 through March, 1972. A wide variety of projects were funded, however, the projects as reflected by the final reports (as found in The <u>Pennsylvania's Abstracts of Research and Related Materials in Voca-</u> <u>tional Education</u>, Volumes I, II) tended to fall into only a few major or general areas, in spite of the many index descriptors found under each listing.

Other final reports reviewed included, planning vocational education programs in Pennsylvania, guidelines for the use of labor market data, follow-up documents, V. E. M. I. S. reports, the state plan, and certain other supply demand documents. Those studies completed after Volume II were published (1972) as well; they appeared in listing with little description. A survey of the returned instruments and on-site visitation schedules from projects completed after the publication of Volume II of the P. A. R. M. S., indicated that the general areas for those studies were identical to the studies found in the P. A. R. M. S. Thus the nature of the projects in 1971-72 were not dissimilar to those that preceded them.

Each of the final reports found in the <u>Pennsylvania's Abstracts of Research</u> and <u>Related Materials in Vocational Education</u> (1969-1971) were read and studied and it was found that most projects (1966-1970) focused on one major area of intent. Thus each project could be placed within a general category. Many of the index descriptors found in the P.A.R.M.S. did not reflect the major emphasis of a project.

The general categories that were established are as follows:

1. <u>Curriculum Development - Scope and Sequence and Guidance Programs</u>, this area reflects a programmatic approach with emphasis on cognitive, psychomotor, or affective content.

2. <u>Research</u> - this would primarily be doctoral studies and/or theoretical projects in nature. Surveys would also fall into this category.

3. <u>Material Development</u> would house those projects that would focus on materials to be used. Curriculum materials would also fall within the scope of this category. Any project whose major concern is developing transportable materials (e.g., booklets, A-V materials, books, computer programs, tapes, etc.) was included in this area.

4. <u>Training Programs - Teacher/Other Professionals</u> - those projects that concerned themselves with teacher/other professional training, were included in this area. Pre-service and in-service programs were typically found in the category.

5. <u>Training/Education of Students and/or Adults</u> were those projects that were directly involved in "on-hands" programs with students and/or adults

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(non-professionals). Here, the project's major focus was in the immediate changing of the behavior (learning) of children, students, or adults, and they in turn comprised the major attention of the project.

6. <u>Purchase and/or Updating of Equipment</u> - is an area where the major purpose of the project was to acquire equipment. Although, at times, disguised under other objectives, it was quite easy to identify such projects.

7. <u>Work Study</u> - the traditional definition of work-study was used to include projects of this nature.

The general categories by year(s) of funding are found in Table 2. An analysis of the distribution of the types of projects funded indicate that earlier (1965, 1966) funding cut across all areas, however, there was more emphasis on equipment and material oriented projects and less funding of curriculum and research projects than in the latter years. Training programs were also well represented. The more recent and/or longer (covering multiple years) projects tended to focus on: curriculum and guidance; research; and training programs.

All training programs (teacher/other professionals/students/adults) comprised the largest number of projects funded from 1966-1970 - 48 or 36% of the total number were training programs. Teacher and other professional training programs were funded more than any other type of projects (20%), curriculum and guidance projects were the next largest number funded (17%), followed by research projects (17%), then training programs for students/adults (15%), and materials development (11%), and equipment purchase (11%). Work study projects (9%) were the least funded of the entire group.

It is also interesting to note that more projects were funded and/or received initial funding in 1966 (56 or 42%) than in any year between 1965-70. The year 1965 was the next largest year for project funding - 49 or 37% of the projects funded between 1965-70 were funded that year. It also appears that the year 1967 was the year with the least amount of projects funded for any 12 months period and/or initiated (only 3 projects were approved).

Because of a lack of description of those projects funded by R. C. U. between the years 1971 and 1972, it was decided to illustrate their distribution separately (refer to Table 3). It appears that training programs were not funded at the same rate as in previous years. In fact only 23% of the projects funded between 1971 and 1972 dealt with training and/or in-service programs. Conversely, curriculum development and research type projects were funded at a considerably higher rate -55%. When materials type projects are merged with curriculum and research categories, the rate of funding of those types reaches a level of 78%. Purchase and up-dating equipment and work study programs were not funded in either year.

A comparison of the data appearing in Table 2 and 3, indicates that the emphasis of the funding (type) from 1965-70 to that of 1971-72 did change. Training programs comprised the largest number (48 or 36%) of projects funded in the former years, while curriculum and research projects comprised the largest number (17 or 55%) of projects funded in the latter years.

	Curr. Development Scope-Sequence And Guidance Programs	Research	Materials Development	Training- Teacher/ other Professionals	Training- Students/ Adults	Purchase and/or updating Equipment	Work Study	Total
1965-66	2	3	6	6	4	8	1	30
1966–67	2	4	2	4	3	5	8	28
1965-67	1			2	1		1	5
196768				1				1
1966-68	3	4	1	1	4		1	14
1965—68 ··	6	2	2	2	2			14
1968-69	1	3		4	3	1		12
1967—69			1	1				2
1966–69	6	1	1	2	4			14
1969—70	2	5	2	4				13
Total Percentage	² 23-17%	22·17% ³	15-11%	27.20%	21.15%	14-11% ³	11-9% ³	133

THE NUMBER OF PROJECTS FUNDED (BY YEARS) WITHIN SEVEN GENERAL CATEGORIES

TABLE 2

1. Only those projects included in the Pennsylvania's Abstracts of Research or Related Materials in Vocational Education (1969, 1971) appear in the above table. Projects funded after the dates indicated, but are a part of this study, do not appear above.

2. All percenteges are based on N = 133

3. Rounded off to nearest percent

TABLE 3

THE NUMBER OF PROJECT'S FUNDED (1971-72) WITHIN SEVEN GENERAL CATEGORIES

Years	Curr. Development Scope-Sequence And Guidance Programs	Research	Materials Development	Training- Teacher/ other Professionals	Training- Students/ Adults	Purchase and/or updating Equipment	Work Study	Total
1970—71 (June)	3	2	3					8
1971—72 (June)	7	5	4	3	4			23
Total Percentage	² 10-32% ³	7-23% ³	7.23%3	3-10%3	4-13% ³			31

1. Not all the projects included in the above table are in this study because their completion dates are after March, 1972.

2. All percentages are based on N = 31

3. Rounded off to the nearest percent

TABLE 4

TOTAL NUMBER OF PROJECTS FUNDED (1965-72) WITHIN SEVEN GENERAL CATEGORIES

Categories	Frequency	Percents	
Curriculum Development, Scope-			
Sequence and Guidance Programs	33	20	
Research	29	18	
Materials	22	13	
Training-Teacher/Other Professionals	30	18	
Training - Students/Adults	25	15	
Purchase and/or Updating Equipment	14	9	
Work Study		7	
Total	164	100	

When merging the data of Table 2 and 3, it can be seen that (Table 4) one third of all the projects funded from 1965-72 were training programs. The distribution of funding among five of the seven categories was quite similar, but still not identical (ranging from 13 or 20% of the total). Purchase of equipment and work study programs were the least supported. They only accounted for 16% of the total number.

Although the funding patterns changed from 1965 to 1972, the overall distribution appears to be balanced among five of the seven categories. It appears that the emphasis of the funding is on programs that could have greater generalizability (e.g., curriculum, research, materials, training) to the field of vocational education than those with restrictive exportability (e.g., purchasing or equipment).

The above information is descriptive in nature. No inferences should be made concerning priorities of the R. C. U. and/or the State Department of Education during the period 1965-1972. The data might reflect the funding available to the State at that time, as well as the interests and concerns of those in the field (e.g. during 1965-66 there might have been a greater demand from the field for equipment and training programs than for research and curriculum development).

CHAPTER 3

INTERDEPARTMENTAL RELATIONSHIPS

The relationship and impact that the R. C. U. has had with and upon the Bureau of Vocational Education was examined. Since the R. C. U. is a division within the Bureau of Research, it operates in a staff capacity for the Bureau of Vocational Education. Any office operating under such conditions must establish communication lines that are constantly open in order for it to operate effectively, and perform the staff functions for which it was charged.

In order to examine the nature of R. C. U.'s relationship and impact within the Bureau of Vocational Education, interviews were held between A. M. C. and key vocational education personnel. The vocational educators were asked to cooperate with the interviewers and were informed of the purpose of the study. Interviews were conducted with persons from trade and industrial education, business education, administrative and planning services, program operations, health occupations, distributive education, home economics and agriculture.

Generally, vocational educators view the operations of the R.C.U. very favorably. They felt that the staff was most professional, helpful, tactful, innovative and open with them. Only in one case were apprehensions voiced regarding the activities of the R.C.U.

Other favorable comments of persons interviewed related primarily to certain studies conducted by or under the auspices of the R. C. U. that have had <u>major</u> <u>impact</u> on vocational education programs at the state level. Reference was made to such studies as the Arnold report, follow-up studies, Vocational Education Information Network (V. E. I. N.) supply demand studies and the V. E. M. I. S. system.

The Arnold study provided the basis for reorganizing of both the Harrisburg and field staffs of the Vocational Education Bureau and provided the rationale for a comprehensive approach to the operation of Vocational education. The follow-up studies apparently led to the development of a Vocational Education Management Information System which is currently operational in the state. V. E. I. N. is a centralized information dissemination system that seems effective and is used by many bureau persons.

It was also stated that the R.C.U. provided certain data needed for the State plan for Vocational Education.

The apprehensive areas involved a need for greater communications between the R. C. U., R. C. U. funded project personnel, and the Vocational Education Staff. The communications breakdown seems to result from a lack of adequate staff to facilitate more interaction between the two agencies. This problem suggests that expanding the R. C. U. may provide enough people to facilitate greater communication channels.

It was determined that the R.C.U. did not attend departmental or division meetings within the Bureau of Vocational Education on a regular basis. Since

program concerns are discussed at departmental meetings, it may be advisable for the R. C. U. to attend these meetings in an effort to keep the communication lines open.

It was suggested that the R.C.U. should be funding more solicited research; that is, after determining research priorities, have school systems, private agencies, colleges, universities bid on performing specific research projects.

It appears that the R. C. U. uses many program specialists as consultants to assess incoming proposals. This does establish some lines of communications, but under such conditions, the communication tends to be very task directed. Where a large network of field representatives exist (e.g. agriculture), two-way interaction and communication appear to exist. However, in departments that tend to be one man (or woman) operations, the need for two-way communication is crucial. These people still have to meet the needs of the educational community, and are looking for support. They see the R. C. U. as an agency to supply some support to augment their rather restrictive interaction with the educational community. It appears that they would welcome more such interaction. These groups see R.C.U.'s function as providing them with greater information; in essence, R. C. U. might be functioning as field representatives for them, yet at a broader level. They were almost unanimous in their desire to be involved to a greater degree with R.C. U. research projects.

CHAPTER 4

DESCRIPTION OF THE PROJECTS

Response Rate

In order to make this descriptive study more meaningful, with results being used to describe the nature of the R. C. U. funded projects from 1965-1972, an adequate response rate had to be reached. Thus it was quite important for an effort to be made to insure a high rate of response.

Cover letters from key State personnel, second mailings, and personal phone calls were the devices used. The data on the nature of the response to the instrument, sent via the mails, is displayed in Table 5.

TABLE 5

CATEGORIES OF SURVEY RETURN

Categories	Number	Per Cent ¹	
Returned "No forwardable address"	4	2.7	
Returned "Unable to Respond" ²	12	8.1	
Returned "Usable for analysis"	98	66.7	
Two time non-respondents	33	22.5	
Total	147	100	
Duplication of project numbers			
	1513		

¹Based on an N=147 because of duplication of project numbers

 2 Generally the project director could not be located because: he/she was no longer employed; moved with no forwarding address; or was deceased

³ The initial mailing was 151

A total of 114 instruments were returned out of a total of 151 and the usable return rate reached a high of approximately 87%.

Given the nature of this project with the time-line of projects ranging from 1966 to March of 1972, the movement of staff personnel, changes in funding and directions over such a period, and unforeseen events that naturally occur over time, this rate of "usable instruments" was considered to be quite adequate.

The number of projects in the data analyses varies because not all questions were answered by all project directors, and/or not all questions were applicable

to all projects. Although the response rate is quite high, the reader is cautioned that this is a descriptive study of R.C.U. funded projects from 1965-1972, and that the data only reflects the 147 projects represented in this study. Inferences to all R.C.U. funded projects, or all projects funded by the Bureau of Vocational-Technical and Continuing Education should not be made.

Description of the Respondents

All data in this chapter was collected via the questionnaire-opinionnaire (Appendix A) and the schedule (Appendix B). Subsection titles are followed by identifying questionnaire-opinionnaire number (Q-O-) or schedule (S-). Please refer to either Appendix A or B.

Length of the Project (derived from the R. C. U. numbers)

Of those who responded, 65 or 66.5% were one year projects, 12 or 12.2% were two years in length, and 21 or 21.3% were three years of duration. Thus it is apparent that the majority of the responses was generated by directors who spent only twelve months or less with a funded program.

Agency Operating Project (Q-O#1)

Most projects were sponsored (were a part of) by a local public school system, while Area Vocational-Technical Schools and Universities or Colleges were the next largest sponsoring agencies (refer to Table 6) for programs.

TABLE 6

GROUP OR AGENCY OPERATING THE PROJECT

· · · · · · · · · · · · · · · · · · ·	f	%
Local Public School System	43	44.3
Area Vocational-Technical School	25	25.7
University/College	26	26.8
Non-Profit Private Organization	3	3.2
Other ·		<u> 0. 0</u>
٤	97	100

Actually 68 or 70% of the programs were sponsored by public legal educational authorities (schools - elementary, secondary, and vocational-technical), while universities only accounted for about 27% of the projects, other non-profit organizations accounted for the remaining 3%. It can be stated that for the population involved in this study, R. C. U. supported more public school projects than any other type.

Populations Served (Q-O #2)

Respondents were asked to check the appropriate description of the population concentration (rural, suburban, urban) and size of the geographic community served. (The reader should be aware that not all directors responded to all questions, hence the N in the different questions in this study will vary.)

Although urban projects (Table 7) were the mode (largest percent) of the population concentration, the total rural (non-Appalachia plus Appalachia) was next largest with 36.2%. Suburban population concentrations were the least served. It should be noted that there appeared to be quite an even distribution of projects among rural, suburban, and urban communities.

TABLE 7

Population Concen	Size of the Community				
Typef		_%	Size	f	%
Rural (Non-Appalachia)	14	17.5	Over 100,000	41	45.6
Rural (Appalachia)	15	18.7	50,000 - 100,000	23	25.6
Suburban	20	25.0	25,000 - 49,999	13	14.4
Urban	31	38.8	10,000 - 24,999	7	7.8
			Under 10,000	6	6.6
€ of those responding	80	100		90	100

POPULATION AND GEOGRAPHIC COMMUNITY SERVED

The size of the communities served is quite different (Table 7); almost 46% of the projects served large communities – over 100,000. With regionalization and unionization of school districts in Pennsylvania, the size of communities served by legal educational authorities tend to be large. This coupled with the growth of the population of the State are reflected in the distribution of the sizes of the communities served in this study.

Description of the targeted population(s) serviced by the projects was elicited. Table 8 shows the results. Projects' targeted populations were mostly regular students, with disadvantaged students forming the next targeted group. Because of multiple responding, some programs serviced more than one group.

TABLE 8

TARGETED POPULATION(S) OF PROJECTS

Regular	791
Disadvantaged	44
Handicapped	19

¹Because of multiple responses, percentages have little meaning and hence were not calculated

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TABLE 9

EDUCATIONAL LEVEL SERVED BY THE PROJECTS

Level	f^1
Pre-School	1
K-3 Grades	1
4-6 Grades	3
7-8 Grades	6
9-12 Grades (comprehensive)	51
Special Education	4
Area Vocational-Technical School 9-12	23
Post High School (non-college)	14
Community/Jr. College	3
College/University (4 year)	13
Graduate School	7
In-Service Training (non-college credit)	9

¹Because of multiple responses, percents were not calculated

Projects also serviced different educational levels (refer to Table 9), including pre-school. The most prevalent grades served were 9-12 grades (comprehensive and area vocational technical schools -- 74 projects). It is also interesting to note that post high school levels (non-college, graduate school, community college and college/university -- 37 projects) was the next largest level represented in this study. Programs for elementary level (K-6) were not common (4 projects).

Summary

Typically, the projects in this study were one year in duration, housed in public schools, serving either urban or rural areas with a large size population. They focus on regular students in grades 9-12.

Prime Administrator's Background (Q-O#3)

The backgrounds of the prime administrators of the project were surveyed (refer to Table 10). It was found that almost all who responded were college graduates with advanced degrees, had spent almost 15 years teaching, and seven years as an administrator. It appears that they spent more years in the classroom than in non-educational positions. The large number of doctoral degrees is reflective of the number of research and university projects, as well as the fact that many in administrative positions in large school systems have such degrees.

Type of Background		f	%	Mean
Educational Level				
Non Degree		1	1.1	
B. S. / B. A.		6	6.3	
M. S. / M. A.		48	50.5	
Ed. D/Ph.D.		40	42.1	
	٤	95	100	
Years of Teaching				14.14 years
Years of Supervision/Administration				6.45 years
Years of Non-Educational Experience				5.16 years

ADMINISTRATOR'S BACKGROUND

TABLE 10

Elements That Compose Projects (Q-Q #4)

Most projects are made up of many elements, rather than being totally composed of one single thrust or effort. That is, a training program might include curriculum development, research, and materials development. In order to reflect the sundry parts of a project, a grid was developed to enable respondents to graphically, as well as quantitatively, describe their project. Another purpose of the grid was to keep the total of all the elements within a project to 100%. The subdivisions were: Curriculum development - scope and sequence/guidance; research; developing materials; training - teachers/other professionals; trainingstudents/adults; equipment-purchase and/or upgrading; and work study. The means of the percentages are found in Table 11. In each category there was at least one project that was totally composed of that area, and likewise there were projects that were completely devoid of that area.

TABLE 11

PERCENTAGE OF THE ELEMENTS THAT PROJECTS WERE COMPOSED OF (FOR THE RESPONSE GROUP ONLY) N=98

Elements	Mean Percents	Standard Deviation
Curriculum Development - Scope and		
Sequence/Guidance	17.74	24.17
Research	19.50	31.35
Developing Materials	14.62	20.93
Training - Teachers/Other Professionals	15.97	31.42
Training - Students/Adults	16.27	26.34
Equipment - Purchase and/or Upgrading	9.14	21.66
Work Study	10.95	28.68

TABLE 12

THE NUMBER OF PROJECTS BY ELEMENTS OF THE TOTAL

Percentage of the Total Project

P1	0-10	11-20	21-30		61.70	61.70 71.80 81.90 91.100) Mean Percents			
Elements		f	f	f	f	f					
Curriculum Development							·				
Scope and Sequence/Guidance	56	11	12	10	2	0	1	2	0	4	17.74
Research	63	13	.5	3	6	0	0	0	2	9	19.50
Developing Materials	64	8	11	6	4	2	1	0	0	2	14.62
Training-teachers/											
other Professionals	75	3	6	1	0	0	1	2	1	9	15.97
Training-Students/Adults	67	4	6	2	7	4	1	5	1	1	16.27
Equipment-Purchase											
and/or Upgrading	81	8	0	2	1	0	2	1	1	2	9.14
Work Study	84	1	0	1	2	0	0	1	1	7	10.95

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It is quite evident that in all the projects (N=98), research comprised the largest block of effort (19.50%), with curriculum development the next largest (17.74%), followed by training - students/adults (16.27%) and training - teachers/ other professionals (15.97%). Since these are means of the percentage of the elements of the projects, they represent the "typicalness" of the 98 projects. Thus it can be deduced that the projects of this study were compased of and represented many elements (curriculum, research, developing materials, and training). It is equally evident that equipment and work study did not represent large elements within the structure of the projects. The results also reflected the basic nature of the funding as found in Tables 2, 3, and 4.

The actual number of projects broken down by percents of elements of the total effort can be found in Table 12. Multiple responses are reflected in the distribution, hence totals would have little meaning and are not found in the Tables. A survey of the distributions indicates that the high mean for research was generated by the large number of projects (11) that was composed mostly of research activities (81-100% of the project). It would also appear that curriculum development was the most common element found in the projects. This is not surprising once research is held constant, since research projects tend to be quite directed and are generally not made up of the other elements listed. This situation is not usually true for other types of projects; as an example, training programs might be made up of curriculum development, material development, and research, etc.

Summary

The projects in this study have tended to be directed by highly educated personnel who have spent more years in teaching and supervision/administration than in non-educational experiences. These directors have dealt with projects that focus primarily on research, curriculum development-scope and sequence/guidance, and training (students/adults/teachers). Curriculum development efforts appear to be the most common element found in the projects.

Objectives Met (Q-O#5)

Respondents were asked to list the prime objectives of the project (as indicated in the proposal of their project) and to rate on a five point scale (1-not at all; 2-very little; 3-somewhat; 4-considerably; 5-objectives were totally met) to what extent they were met.

In order to consider the effects of meeting multiple objectives, and to give such projects credit for meeting more than one objective, a transformation of the mean scaling was used. The mean of the ratings was calculated, then a ratio of number of objectives to the mean of the ratings was determined. Although this transformation tended to slightly depress the scale ratings, it did give credit for meeting multiple responses. No attempt was made to qualify the primary objectives; i.e., to assess qualifiably that meeting a particular objective was more significant than meeting any other, or combination of other objectives.

Objectives were also categorized into six general areas; administrative; program (curriculum); student directed; teacher/staff; materials; and an area

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titled other. Table 13 illustrates the breakdown by classifications of the objectives. Table 14 contains the frequency of multiple listings and the mean of the transformed ratings.

TABLE 13

NUMBER OF PRIME OBJECTIVES BY GENERAL AREAS

f	%
2	0.2
113	36.8
42	13.6
15	4.9
30	9.7
107	34.8
₹ 307	100
	113 42 15 30 107

TABLE 14

NUMBER OF MULTIPLE FRIME OBJECTIVES LISTED

Number of P	rime	Number W	bo Responded
Objectives L	isted	f	%
One only		24	26.1
Two		15	16.3
Three		11	11.9
Four		16	17.3
Five		7	7.6
Six		10	10.8
Seven		9	<u>10.0</u>
		92	100
	Mean of trai	nsformed scale	= 4.26

It is apparent that program objectives (36.8%) were the most noted, with "other" objectives (34.8%) being the second largest classification. Student directed objectives (objectives dealing specifically with students) was the third largest group (13.6%) listed.

The majority of respondents listed more than one objective as being met. In fact, almost 46% of the respondents listed from two to four prime objectives. Only 26.1% listed one objective as being met. The mean of the transformed scale was

26 :

4.26. This was just over the 4.00 scale (indicating that the prime objectives were met at the high end of the scale). As indicated earlier, the transformation tended to depress the actual scale, thus it could be concluded that the respondents felt that they generally met the prime objectives of their projects.

Unexpected Outcome (Q-O#6)

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Respondents were asked to list unexpected outcomes (refer to Table 15) and rate them as either negative (0) or positive (1). Again the outcomes were classified, a transformed rating for each project was derived (as above) for further analyses, and frequency of multiple listings were calculated (Table 16).

TABLE 15

NUMBER OF UNEXPECTED OUTCOMES BY GENERAL AREAS

General Areas		f	<u>%</u>
Administrative		3	2.3
Program (Curriculum)		19	14.6
Student Directed		3 2	24.6
Teacher/Staff		17	13.1
Materials		2	1.5
Other		57	43.9
	٤	130	100

TABLE 16

NUMBER OF MULTIPLE OUTCOMES LISTED

Number of Listed	Outcomes	Number Who f	Responded %
One Only		· 20	34.5
Two		20	34.5
Three		10	17.2
Four		3	5.1
Five		5	8.7
Six		0	0.0
Seven		0	0.0
		58	100
	Positive Ratings	95	
	Negative Ratings	35	
Mean of no	on-transformed scal	e = 0.730	



Fewer unexpected outcomes were listed than prime objectives with Other category comprising the largest group of responses (43.9%). Student directed outcomes were the next largest (24.6%) indicated. Fewer multiple responses were also listed. Sixty-nine percent listed only one or two outcomes. It would indicate that unexpected outcomes were rather unusual in their projects. A mean of 0.730 was reached. This mean reflected the listing of positive responses (195) than negative ones (35).

Major Factors Contributing and Hindering Projects (Q-O#7)

An attempt was made to determine the major factors (or elements) that contributed most (Table 17) to the success of the project, and those major factors (or elements) that hindered the director in meeting the goals of the project (Table 18). Directors were asked to give their perceptions as to the contributing and hindering elements.

TABLE 17

MAJOR FACTORS CONTRIBUTING TO MEETING GOALS OF THE PROJECT

Factors	f	Mean ¹
Administration	23	3.30
Program (Curriculum)	20	3.85
Student Directed	30	3.46
Teacher/Staff	49	4.06
Materials	8	4.00
Others	81	3.91
	£ 211	

¹Based on 5: most significant contributor to 1: least significant. Not transformed means.

TABLE 18

MAJOR FACTORS HINDERING THE MEETING OF GOALS OF THE PROJECT

Factors	f	Mean ¹
Administration	4	4.75
Program (Curriculum)	12	4.16
Student Directed	12	3.83
Teacher/Staff	15	4.33
Materials	17	4.17
Others	58	4.32
	٤ 118	

¹Based on 5: most significant hinderer to 1: least significant hinderers. Not transformed means.

It appears that teacher/staff (4.06) contributes more to the success of the program than do other factors listed and categorized. Materials (4.00) was the next prized, although it was rarely listed, the "other" category appears to be the most prevalent one. More contributors (211) were listed than hinderers (118). Administration (4.75) appears to be the most significant hindrance in meeting the goals of the project. Factors listed as "others" (4.32) appears to be the next contributor to not meeting goals. It also appears that the respondents are much more definite in their feelings about those who interfere with meeting goals than with those who contribute to meeting goals.

Summary

Objectives of programs were categorized into six general areas. It was found that directors felt the prime objectives of projects were met, and that program type objectives were the most noted in this study. Also most directors listed more than one primary objective met by the project. Unexpected outcomes were also listed. Although fewer in number than prime objectives, the directors had similar positive feelings about the unexpected outcomes as they did about the objectives. Teachers/staff appeared to contribute most to the project, while administration appeared to hinder the project. There appeared to be more contributors than distractors, although directors appeared to be more definite about the distractors (e.g. rated the factors as being more significant or higher in their role as distractors than the ratings given those factors as contributors).

Impact on Educational Practices (Q-O#8)

One way to assess impact is to evaluate the effects such projects have on educational practices. Directors were asked to rate the impact using a seven point scale (7 - Extreme Positive Influence; 6 - Very Positive; 5 - Had Some Positive Influence; 4 - No Influence; 3 - Had Some Negative Influence; 2 - Very Negative Influence; 1 - Extreme Negative Influence). The data is shown in Table 19.

TABLE 19

INFLUENCE ON EDUCATIONAL PRACTICES AT SELECTED LEVELS

Levels	No. Responding	Mean
Building or Neighborhood	69	5.85
Local Community and/or District	77	5.85
County/Intermediate Unit	65	5.01
State	72	5.08
National	55	<u>4.54</u>
Global Rating		5.28

It can be seen that at the local levels (building, neighborhood, community), the directors felt that they had positive to very positive influence, while at the County and State they had some positive influence. They felt they had little influence at the national level. This can be explained in the nature of R. C. U. funding throughout the nation. R. C. U. funding is distributed via State Departments of Education, consequently programs are locally oriented rather than State, and rarely are national in scope. The low ratings at the national level could also be a factor of the lack of wide dissemination of information about projects.

Identification of Examples of Impact (Q-O#9)

Directors were also requested to identify specific examples of how they could determine their project's influence(s) and at what level(s) such examples were felt. The number of responses of specific examples X levels is found in Table 20. Many examples were listed (888), most of which were at the local level (Building district) very few were at the county (105), state (96), or national level (35). Curriculum (138), instructional (126) and counseling (118) procedures were most numerous. Educational policies (99) and reduced dropout rate (85) were the next largest numbers cited by the directors. Again it is apparent that the nature of the R. C. U. funding for instructional purposes at the local level was a factor in the results. It is significant to note that revised educational policies (99) and revised administrative policies (72) were noted as examples. This might indicate subsequent, or ripple effect, of the projects - that is, as a consequence of projects, current practices were altered.

Summary

The results indicate that R. C. U. funded projects had definite and positive influence on educational practices - but more so on the local level than in the county, state, or national level. It was also apparent that the effects of such projects were felt in classroom related activities (e.g. curriculum, instructional procedures) rather than in non-educationally related activities.

Influencers On Decision Making (Q-O#10)

Directors were asked to rate, on a seven point scale $(7 - \text{Extreme positive influence}, ..., 4 - \text{No influence}, ..., 1 - \text{Extreme negative influence}, sources of influences that affected their decisions. Global mean <math>(\overline{X})$ ratings for internal and external influence (refer to Table 21) were also calculated for subsequent analyses.

Directors felt that internal influences (\overline{X} =4.96) were stronger in decision making than were external influences (\overline{X} =4.32). It is interesting to note that directors felt themselves as being the strongest source of influence (\overline{X} =6.03) with students (\overline{X} =5.66), professional staff (\overline{X} =5.55), and immediate supervisor (\overline{X} =5.31), in that order, having some positive influence. School boards policies approached positive influence (\overline{X} =4.84); while unicns showed no influence. Restrictions of the proposal and secretaries approach neutrality, but on the negative side of the scale.

TABLE 20

NUMBER OF EXAMPLES X LEVEL WHERE INFLUENCES WERE FELT

Specific Examples	Totals	Building/ Neighbor- hood	Local/ Dist.	Inter- mediate unit/ County	State	National
New or revised curriculum	138	40	54	16	22	6
Classroom/shop instructional procedures	126	42	52	13	16	3
New or revised educational policies	99	27	43	9	13	7
New or revised administrative policies	72	24	35	4	7	2
New or revised counseling/guidance procedures	118	33	51	13	17	4
Changes in employment patterns	59	20	30	5	3	1
Decreased unemployment rates	56	18	25	9	2	2
Decrease in the number on welfare	35	11	13	7	2	2
Reduced dropout rate of your targeted population	85	30	39	12	2	2
Remain, or initial selection, in the area for which the targeted population was trained	47	18	19	7	2	1
Teachers/other professionals received certificates	21	6	7	4	4	0
Others	32	4	11	6	6	5
Totals	888	273	379	105	96	35

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Level Where The Influence Was Felt



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Sou	rces	Means	
Α.	Internal Influence		
•	Professional staff/faculty	5.55	
	Students	5.66	
	Secretaries	3.91	Global Mean = 4.96
	Unions	4.04	
	School Board or University policies	4.84	
	Restriction of the proposal	3.86	
	Your immediate supervisor	5.31	
	Yourself	6.03	
B.	External Influence		
	Parents	4.06	
	Unions	4.09	
	Community	4.91	
	Local government policies	4.49	Global Mean = 4.32
	State governmental policies	4.65	
	U.S. governmental policies	4.37	
	Political parties	3.70	
	Pressure groups	3.77	

SOURCES OF INFLUENCE ON DECISION MAKING

TABLE 21

Although parent (\overline{X} =4.60) community (\overline{X} =4.91) and State government policies (\overline{X} =4.65) approached some positive influence, the directors viewed the external influences as being rather neutral. Political parties (\overline{X} =3.70) and pressure groups (\overline{X} =3.77) were on the negative side of the neutral point.

It is apparent that those closest to the project (professional staff, students, immediate supervisors, the director himself, parents, community, state governmental policies) had more influence on decision making than those outside the direct contact of the project.

Dissemination of the Project (Q-O#11)

It appears that final reports are the most prevalent technique for disseminating the results of the project (Table 22). Word-of-mouth is the next largest technique used to communicate with those not in the project. Thus it appears that aside from the final report, verbal means of communication (speeches, word-ofmouth) is the technique used to disseminate information about projects. It should be noted that all R. C. U. funded projects require a final report. The large number of publications might be a result of the university/college based projects, where directors traditionally write articles for journals. The use of in-service training after the project (29) indicates that the results are again having a ripple effect and would be in keeping with response indicating effects on educational practices.

ТΑ	BL	Æ	22

MEANS OF DISSEMINATING THE RESULTS OF THE PROJECT

Туре	f
Final report	79
In-service training (after the project)	29
Publications (books)	15
Publications (articles)	36
Speeches and papers given at conferences	50
Speeches to local groups	45 ·
Word-of-mouth	66
Others	20

Permanent Part of Programs (Q-O#12)

Whether the results of the projects became a permanent part of programs or policies was surveyed (Table 23) in this study. Although more responded in the negative (204) rather than positive (152), the negative results were generated by the limited effects the projects had at the county, state, and national levels. The university/college responses were generated by the uniqueness of university directed projects that tend to focus outside the institution. It appears that the results did become a permanent part of school building and school district programs or policies. Thus it can be concluded that the projects funded by R. C. U. have a good probability of becoming change agents, as time passes, at the local level – but not at the county, state, or national level.

TABLE 23

PERMANENT PART OF PROGRAMS - DID THE RESULTS BECOME A PART OF PROGRAMS OR POLICIES?

Source	Become a Part?		
School building	Yes	55	No 16
School district	Yes	55	No 22
County/Intermediate	Yes	15	No 40
State	Yes	14	No 45
National	Yes	4	No 40
University/college	Yes	9	No <u>41</u>

Summary

Internal influence appears to be stronger on decision making than external influences, and the directors themselves, are the strongest influences.

Directors usually use verbal communication to disseminate the results of their projects (mostly one-to-one communication).

The ripple effect does appear to exist for the projects; in that, the results of the projects tend to become a part of the programs on policies of local school districts. However, this effect appears to be limited to only local districts, not even to county or intermediate levels.

Satisfaction Generated (Q-O#13), Attitude Changes (Q-O#14), Ultimate Outcomes (Q-O#15)

The assessment of the degree of satisfaction generated by the program within selected interested groups was undertaken (Table 24) on a five point scale (1 - No) Satisfaction... 3 - Satisfied... 5 - Highly satisfied; 6 - Not applicable was treated as a no response).

TABLE 24

Groups	Mean Ratings
Trainees	4.01
Participants other than trainees (e.g., staff)	4.01
School building personnel	3.86
School system	4.07
County System/Intermediate Unit	3.69
R. C. U.	3.31
State Department of Education (other than R.C.U.)	3.63

SATISFACTION GENERATED BY THE PROJECT

The highest ratings (very satisfied) were generated within those closest to the projects - trainees, staff, school system, etc. It seems that directors perceived R. C. U. to be satisfied with their projects, but not as satisfied as other personnel (including State Department of Education). This might be generated by a lack of feed-back from R. C. U. on the status and ultimate outcome of funded projects. Dissatisfaction apparently was not perceived by the directors to be the feeling of the groups listed.

Changes in attitudes of those who participated in projects were also surveyed. The scale was again five points with $\dots 1$ - representing considerable negative changes...3 - No change...5 - Considerable positive change (Table 25).

Generally there was slight positive changes towards all selected areas with the exceptions being Other (peers and non-peers). The peer relationship exhibited almost no change at all, and the non-peer relationship was between some negative change and no change. It appears that projects had slight positive effects on attitudes of participants towards the project, and vocational education. It did appear to generate positive self-image changes, but not positive changes towards others.

TABLE 25

ATTITUDE CHANGES OF PARTICIPANTS TOWARD SELECTED AREAS

Selected Areas	Mean Change
Purpose or thrust of the project	3.55
Voc. Ed. in General	3.55
Education in General	3.13
The World of Work	3.32
Themselves (the Participants)	3.80
Others (Peers)	2,95
Others (Non-Peers)	2.55
Global Rating	3.26

In general terms, the directors were asked to rate the ultimate effects the project had on students or targeted population. A five point scale was again used (1-No effect... 3-Some effect... 5-Major effect). The mean reached was 3.80. This indicates that directors felt the projects' effects on targeted populations approached the considerable effect (4) level.

Summary

It is clear that the projects generated satisfaction among interested groups and had considerable effect on the targeted populations. The projects did not generate changes in attitudes (positive or negative) towards selected areas among the participants or targeted populations of the projects.

Monies Allocated (Q-O#16), Sources of Funding (Q-O#17), and Per Unit Costs (Q-O#18).

The project directors were asked to indicate the total cost of operating the project (includes: R. C. U. funding; other state, federal, and local funding). The range of total funding was from \$298,000 to \$400.00 with the mean being \$79,909.64. The range for R. C. U. funding was from \$253,904 to \$217.00, with a mean of \$44,568. It should also be noted, that in our on-site visitations, it became apparent that many directors were not able to identify their sources of funding, hence they were not able to break down their total budget sources. It is apparent that R. C. U. funding does account for a significant amount of the funding of the projects - but by no means does it account for all of the funding. Local self help and other funding are also part of the effort. The total cost of operating the projects (where indicated) was \$6,073,132.80; the total R. C. U. funding received (where indicated) was \$3,342,609.00.

When adequacy of R. C. U. funding was assessed, the directors felt that the R. C. U. funding was close to, but did not reach, the "somewhat adequate" level. The mean was 2.90 on a five point scale of 1 - not adequate at all, 2 - not very adequate, and 5 - extremely adequate.

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The results are not surprising, since it is rare to find projects where directors feel the degree of funding is adequate.

Directors were also asked to indicate what they would have done with additional funding that they were not able to do with the funding received. The results are found in Table 26. Responses were categorized into six general areas.

TABLE 26

General Areas	f
Administrative	2
Program (Curriculum)	21
Students	4
Teachers/Staff	11
Materials	24
Other Areas	34

WHERE ADDITIONAL FUNDING WOULD BE SPENT

Project directors would have distributed additional monies, if they were available, among many areas ("other areas" - 34). However, within the specified areas, the directors would have invested in materials (24) and on the program (21). Additional staffing appeared to be the third specific area (teachers/staff - 11). Student and administrative areas were not highly selected by the directors for spending additional monies.

Sources of funding besides R.C.U. was requested (Table 27). It appears that the major source for the projects, aside from R.C.U., are school budgets (59), with other State funding being the next largest source (12). It is also interesting to note that 18 of those responding to the question indicated that R.C.U. was the sole funding source. It should also be noted that many projects had multiple funding beside R.C.U. monies (e.g. school budget U.S.O.E. and O.E.O). This is consistent with the differences found in the total funding and R.C.U. funding amounts.

Fifty-one directors were able to estimate the per unit costs of their projects, while six indicated they could not estimate the cost, four indicated the question doesn't apply to them, and the rest (37) did not respond.

They were asked to list the units within projects and to indicate their costs. Many projects trained individuals, produced materials, and completed a study thus projects would have multiple listing. The per unit costs across the fifty-one projects were totaled and a mean was calculated. The mean per unit costs for all units listed was \$1,806.78. Thus it cost almost two thousand dollars, on the average, to train a student, produce a curriculum material, or complete a study.

It is also interesting to note that only 52% of the directors responded to the request for per unit costs - one might assume that the other 48% could not readily

ADDITIONAL SOURCES OF FUNDING OF PROJECTS

Sources		f
None		18
School Bud	get	59
Local Gove		5
State - othe	er than R. C. U.	12
Private Ind	ustry	6
U.S. Office	e of Education	8
Office of E	conomic Opportunity	2
Other U.S.	Funding	2
Foundation		2

determine the amount because of the time span of this study (1965-1972); or they could not determine the amount because they don't have the information. The per unit costs within a project was totaled and averaged (the average per unit cost per project), these averages were then totaled and averaged - the final figure determined was \$948.74. Typically, where responses were given, the average project spent about one thousand dollars on the unit items within the project. Because the average per unit cost per project reflects what individual projects spent, it was used in further analyses.

Summary

R.C.U. funding was considered to be slightly below the adequate level by the directors. If additional funds were available, directors would spend them generally on materials and program development. School budgets appear to be the major additional source of funding, besides R.C.U., for projects in the local school budget. It would seem that the average per unit cost within each project supplying the information is slightly less than \$1,000.

Influence (Q-O#19), Assistance (Q-O#20), R.C.U. Interaction Desired (Q-O#21).

To what extent did others, besides the director, influence the creation of a proposal was investigated by the instrument (Table 28). Based on a five point scale (1 - Had no influence... 3 - Had some influence... 5 - Extremely influential), it appears that the R.C.U. and local Vocational Educational personnel were the most influential of those listed in creating the proposals (3.45 and 3.27 respectively). It should be noted that none of the groups listed appeared to be very influential. R.C.U. approached the level of having significant influence. State Department of Education and Teacher Education Institutions had the same degree of influence (2.76) on creating proposals.

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INFLUENCE ON CREATING THE PROPOSAL

Source	Mean
R. C. U.	3.45
State Department of Education (Non-Voc. Ed. Div.)	1.82
State Department of Education (Voc. Ed. Div.)	2.76
County level Vocational Education Personnel	2.33
Local Vocational Education Personnel	3.27
School Building Personnel	2.69
School District Personnel	2.91
Teacher Education Institution	2.76

The degree of assistance received from selected sources was also surveyed (Table 29); in addition requests for assistance from the sources was also questioned. A four point scale (1-No assistance... 4-Considerable assistance) was used to assess the degree of assistance received during the project.

TABLE 29

Source	Mean Rating	Request for Yes	r Assistance No
R. C. U.	3.03	58	24
State Department of Education (Vocational Education)	2.56	39	44
State Department of Education (Non-Vocational Education)	1.62	21	58
County Educational Personnel	1.89	29	49
District Personnel	1.39	45	35
School Building Personnel	2.48	43	
Teacher Education Institutions	2.18	31	48
Global	2.24	237	292

ASSISTANCE RECEIVED DURING PROJECT

The R. C. U. appeared to give the most assistance to project directors (3.03 -"Some assistance"). State Department of Education (Vocational Education) assistance (2.56) received the second highest rating - its rating approached the "some assistance" level, followed by school building personnel (2.48). District personnel evidently gave the least amount of assistance to the directors. It should be noted that the R. C. U. and Vocational Education (State Department) received many requests for assistance (and evidently gave it), while district personnel also received many requests for assistance and either didn't give it and/or the level of assistance given was inadequate. It also is apparent that assistance was not always requested by project directors.

To what extent should R. C. U. provide interaction (assumes assisting projects) after funding has been approved was considered (Table 30).

TABLE 30

R.C.U. INTERACTION AFTER FUNDING APPROVAL

Value	Degree of Interaction	f
(1)	No interaction between R.C.U. and the project after funding has been approved.	2
(2)	There should only be <u>slight</u> interaction between R.C.U. and the project after funding has been approved.	6
(3)	There should be <u>some</u> interaction between R. C. U. and the project after funding has been approved.	35
(4)	There should be <u>considerable</u> interaction between R.C.U. and the project after funding has been approved.	34
(5)	There should be constant interaction between $R.C.U.$ and the project after funding has been approved.	10
_	Mean - 3.48	

The results indicate that, of those who responded to the question (N=87), most believe that from <u>some</u> to <u>considerable</u> interaction should take place. Actually 44 of the 87 respondents believed there should be <u>considerable</u> to <u>constant</u> interaction. There is no question that the directors welcome R. C. U. interaction after funding.

Summary

R.C.U. personnel were the most influential in creating proposals funded and studied in this project. The State Department of Education (Vocational Education Division) also gave valuable assistance to the project directors.

R. C. U. interaction would be welcomed after funding approval by the directors, this was assumed to imply that R. C. U. would provide assistance to the project directors. However, expansion of R. C. U. personnel and facilities will be required to achieve the above stated objective and to provide personal attention to each project.

Other General Questions (Q-O #22, 23, 24, 25, 26)

Most directors (65 or 71.4% of those responding to the question) felt that their projects, as they were designed, should be repeated (Q-O #22). Most of those

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responding negatively would repeat the project if it were to be significantly redesigned. Open-ended responses to the question were difficult to categorize, thus were not included in this report (all responses, however, will be given to R. C. U. for their use). Out of the 91 who did respond 88 gave reasons why they responded to question #22a; 65 also gave examples of what they would do differently (including "nothing") if their project were to be repeated as designed. Twenty-eight (out of 32 who indicated that they would repeat a significantly redesigned project) listed changes. Sixteen out of the twenty (who would not repeat a redesigned project) indicated their reasons for such a decision.

The vast majority of directors (84 or 92.3% of those responding to question(Q-O #23) felt that their agency (or institution) was the most appropriate one for the project. Of those who felt their agency was inappropriate, four would have had a school system perform the project, one would have had a university/college sponsor the project, and two listed "other".

Career advancement for the project director, as a consequence of the project, was investigated (Q-O #24). The results are displayed in Table 31.

TABLE 31

Career Advancement	f
Nothing	41
Received an advanced degree	6
Was promoted	8
Received certification	3
Given other projects to develop	30
Given administrative duties of position not held before the	
project (but not promoted)	15
Other	15

PROJECT DIRECTOR'S CAREER ADVANCEMENT AS A RESULT OF THE PROJECT

It seems that project directors were inclined to continue on in their capacity and/or were given other projects to develop. Only eight indicated that they were promoted as a result of the project they directed. Fifteen indicated that a horizontal move was made as a result of the project. It would appear that, in terms of . promotion, the route of directing a project is not the approach to take.

Local Vocational Education Advisory Councils are quite common, yet the project directors did not (or were not able to) use them often in their projects (refer to Table 32). When they were used, the directors found them to be effective.

LOCAL VOCATIONAL EDUCATION ADVISORY COUNCIL USE AND EFFECTIVENESS

Usa	ge		<u>_</u>	
(1)	None of the time		34	
(2)	Very little		9	
(3)	At times		24	
(4)	A good bit of the time		19	
(5)	A considerable amount of the time		6	
		٤	92	Mean = 2.50
Effe	ectiveness			
(1)	Was not effective at all		1	
(2)	Had very little effect		5	
(3)	Had some effect		25	
(4)	Considerable effect		13	
(5)	Highly effective		11	
		٤	55	Mean = 3.51

Of those who responded to the question on internal and external evaluations (Q-O#26), 54.1% or 46 indicated that the project had an internal evaluation. Thirty-four or 73.9% of the 46 indicated that a report was available.

Only 25 or 29.4% of those responding indicated that an external evaluation was completed, with 14 indicating that a report of the evaluation was available

If one were to include all 98 projects in this particular analysis, it is apparent that only 46.9% of the projects in this study were internally evaluated, and only 25.4% had an external evaluation.

With educational and fiscal accountability existing today, such low figures appear to be quite surprising. Again this points out a need for more R.C.U. interaction with the projects in terms of: making sure that an evaluation component is part of initial proposals; seeing to it that evaluations are performed during the life of the project; and making sure that follow up evaluations are made by R.C.U. R.C.U. should also make sure that both internal and external evaluation are made.

Only those involved in training programs were asked to respond to questions 27, 28, 29, and 30 of the instrument.

Numbers and Types involved in Training (Q-O#27)

Not all projects were involved in training programs; however, out of the 98 projects participating in this study, 60 or 61.2% indicated that they were directly involved in some type of training program. Fifteen projects exclusively trained

Ethnic Groups		Students to 18 ye of age)	ars	Adults (Over 18 years)		Teachers/Other Professional Staff			Grand Total	
	Total	Mean	Maximum Served by any one group	Total	Mean	Maximum Served by any one group	, Total	Mean	Maximum Served by any ona group	
American Indians	89	1.48	89	o	0.0	0	10	0.17	10	99
Blacks	1,426	23.77	491	55	0.92	30	240	4.00	126	1,721
Puerto Ricans	0	0.0	0	0	0.0	0	3	0.05	3	3
Whites	12,438	207.30	5,000	441	7.46	175	2,037	33.95	990	14,916
Orientals	137	2.28	135	o	0.0	0	10	0.17	10	174
Others	3,624	60.40	3,000	. 825	13.98	600	1,624	27.07	650	6,073
Totals	17,714	295.23	5,000	1,321	22.02	600	3,924	65.40	990	22,959

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TABLE 33

NUMBERS AND MEANS OF ETHNIC GROUP TRAINEES INVOLVED IN 60 TRAINING PROGRAMS

Mean = 382.65

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students, one exclusively trained adults, and nineteen trained teachers only. Two projects trained all three groups, seventeen trained teachers plus students, two trained students and adults, and four trained teachers and adults. Using 60 as a base, the average number for each ethnic group of students, adults, and teachers were computed (refer to Table 33) to indicate the typicalness of the training programs found in this study.

The 60 programs in this study typically trained white children, adults, and teachers. Minorities (Blacks, Puerto Ricans, American Indians, and Orientals) were not well represented in the training programs. The number of Puerto Ricans were almost non-existent. They were much lower than American Indians and Orientals in the sample. They might have been represented in the "others" category, however, their ethnic identity has been established in our society, and the project directors should have had this information - if indeed they had been considered as "others". Only 7.5% of the trainees were identified by the project directors as Blacks. This is also a considerably low representation in the sample. Again Blacks might have been counted along with Puerto Ricans in the "others" category. Inspection of Table 33 also shows that the "other" category has been affected by large singular programs (3,000,600,650), which indicates that it represents primarily these programs and is not made up of input from many programs.

Whites make up 70.2% of the students, 33.4% of the adults, 51.9% of the teachers/other professionals and 64.9% of the total when "others" category is included in the calculation. However, when the "others" category is excluded from the calculation and subtracted from the totals, the percentages change considerably -Whites then comprised 88.3% of the students, 88.9% of the adults, 88.5% of the teachers/other professionals and 87.8% of the total.

If one can agree that the "others" category includes all those not included in the categories listed, then one can assume that when comparing the number of Whites to the numbers of American Indians, Blacks, Puerto Ricans, and Orientals, the inbalance which is in favor of Whites trained, is even greater than when comparing Whites to all groups.

The programs typically trained more students (77.6%) than teachers (16.6%) or adults (5.8%) although there were approximately an equal number or programs that exclusively trained students/adults and teachers, it would be expected that the numbers of participants would be inbalanced. Totally, there were 22,959 trainees broken down as follows: 0.4% American Indian; 7.5% Blacks; 0.01% Puerto Rican; 64.9% White; 0.6% Oriental; and 26.6% classified as "others". As indicated above, if the "others" category was excluded from all the calculations, the percentages for all remaining classifications would rise, but the percentage for the White classification would jump from 64.9% to 87.8%, while the percentage for Blacks would rise from 7.5% to 10.2%.

With the distributions of minorities found in the State of Pennsylvania, the percentages found in this study appear not to be representative of the minorities. Again the reader should be cautioned that the "others" category tends to be confounding the data, and that the minority trainees might be imbedded in that classification.

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It is also interesting to note that 45% of the training programs indicated that the total cost of operating their projects was \$3,035,868.13; an average of the 45 programs being \$67,463.73. In addition, 45 of the training programs indicated that their R.C.U. funding was \$2,419,830.26 allowing an average per project of \$53,774.01. This indicates that R.C.U. played a <u>major</u> part in the funding of the projects. In terms of monies spent (as indicated by the respondents), training programs accounted for 49.9% of the monies spent for total costs (refer to Q-O#16); they used 72.3% of the monies allocated by R.C.U., as indicated by the respondents.

It is quite evident from the numbers of projects involved in training and the monies spent, that R. C. U. funding was heavily involved in training. Because not all directors responded to the questions of funding (Q-O#16) and the fact that some projects included other activities besides training, the cost per trainee could not be determined exactly. It was found that when all the per unit costs, within training programs only, was totaled and averaged, the resulting figure was \$821.99. When the per unit cost for trainees was specified, totaled, and averaged, the resulting average was \$508.65. It is apparent that most of the funding of training programs went directly to training people per se, as opposed to developing materials, equipment, etc., although some directors did include those expenses in their specific unit cost per trainee.

Follow-up of Participants (Q-O#28, #29, #30)

It was found that 48.8% of those responding, indicated that the majority of participants (students or adults) remained in school or went into another education/ training program. Twenty-three or 51.2% of those responding went immediately into industry or business.

Most of the teachers, or other professionals, remained in the position or area that was the focus of the project (32 or 94.1% of those responding to the question). Only 2 or 5.9% moved into a position or area not related to the focus of the project.

The names and addresses of firms listed in question #29 will be made available to R.C.U. Eighteen directors listed 54 firms, while five indicated that the question did not apply because of the nature of their project (e.g. training junior high students); 37 did not respond at all to the question.

Selected rewards were listed in question #30 that might be earned by teachers or other professional participants in the projects. It appears that college credit is the most common reward earned by the professional participants (refer to Table 34). Although "None of the above" is the mode response, one might interpret such responses as indicating other rewards not listed were earned by the participants, or that participants received no tangible rewards. It is also interesting to note that only 8 directors indicated that credit towards salary advancement was given to participants.

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REWARD EARNED BY TEACHERS/OTHER PROFESSIONALS WHO WERE THE TRAINING PARTICIPANTS

Rewards	f
An initial degree	2
An advanced degree	3
An initial certificate	1
College credit	12
Credit towards salary advancement	8
None of the above	16

On-Site Visitations (S1-8)

As part of this study, and included in the initial proposal, on-site visits were made. Forty-seven or 31.9% of the initial sample were selected to represent all geographic, size (funding), and vocational service areas. One of the 47 projects selected had its funding returned to the State (17096), one director refused to cooperate (16052), one project could not be located (16040) or identified by the school district as having ever existed, and after arriving for the interviews four projects were found to be duplications (or extensions) of other programs (thus responses for one project would be applicable for its mate). In all, 40 (27.2%) different projects, or totally 44 (29.9%) projects were visited. The initial proposal indicated that 15% of the projects would be visited, thus almost twice the percentage of visits were made.

Again it should be noted that not all directors responded to all questions, thus the number who responded will not be consistent. All qualifiable data will be made available to R. C. U. for its consideration.

Almost all the directors enjoyed being involved in their projects (S1a). Thirty-five indicated with a positive response, only one gave a negative response, and four didn't respond at all.

Project Impact (S1b, 1-5)

Directors were asked to indicate <u>how</u> the projects had impact on students, adults, staff, creating materials, and new methods or approaches (refer to Table 35). Since the interest is on how the impact was felt, the number of different examples given (or shown) for each group or area would indicate the extent of the impact. Meeting the needs of adults and developing new approaches or methods were the weakest areas. Meeting the needs of students, professional growth of staff, and creating new materials were strongest.

	Numbe	r of [Different	Exar	nples	Given
Group or Area	0	1	2	3	4	5
Meeting the Needs of Students	7	22	5	4	2	0
Meeting the Needs of Adults	24	12	3	1	Õ	Ŏ
Professional Growth of Staff	6	21	11	1	1	Ō
Creating New Materials Developing New Methods or	9	20	9	2	0	0
Approaches	17	17	4	2	0	0

PROJECT IMPACT IN SELECTED GROUPS OR AREAS

Aside from not generally meeting the needs of adults and developing new approaches (which are consistent with the results of the questionnaire-opinionnaire), the project directors were able to establish for the interviewers how they, the directors, could provide impact information.

Ripple Effect (S2, 1-4)

Directors were asked to explain the ripple effect their project had on the educational system (Table 36). Again the number of different effects per area was tabulated.

The data indicated that the projects tend to have much less ripple effect than direct impact. This might be explained because: 1. ripple effect is difficult to establish, 2. ripple effect is hard to demonstrate; or 3. there just wasn't any such effect created by the projects.

It is interesting to note the lack of multiple examples given the interviewers by the directors. The definition of "community," as used by many directors, was the business, industrial, or commercial establishment - hence the number of responses given. When "community" was used in a sociological or political sense, most of the directors would have given zero response.

Continue or Discontinue The Project (S3a-e)

Although all projects were completed before the on-site visits, directors were asked to comment as to whether they would have liked the projects to have been continued. Thirty-five indicated that they would have liked to see the projects either repeated, continued, expanded, or revised. Four would have discontinued the project; one gave no response.

PROGRAM'S RIPPLE EFFECT ON THE EDUCATIONAL SYSTEM

Number of Different Examples Gi					
0	1	2	3	4	5
20	14	4	2	0	0
17	18	5	0	0	0
20	14	5	1	0	0
40	0	0	0	0	0
29	10	1	0	0	0
17	22	1	0	0	0
24	15	1	0	0	0
27	11	2	0	0	0
17	17	6	0	0	0
21	18	1	0	0	0
25	11	4	0	0	0
13	20	7	0	0	0
	0 20 17 20 40 29 17 24 27 17 27 17 21 25	$\begin{array}{c cccc} 0 & 1 \\ 20 & 14 \\ 17 & 18 \\ 20 & 14 \\ \\ 40 & 0 \\ 29 & 10 \\ \\ 17 & 22 \\ 24 & 15 \\ 27 & 11 \\ 17 & 17 \\ \\ 21 & 18 \\ 25 & 11 \\ \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Elements That Could Improve The Projects (S4a-e)

If directors answered to continue the projects, they were then asked to indicate in selected areas, what they would like to see, do, or make suggestions to make the program more successful. The number of different responses given per area was tabulated rather than evaluating responses qualifiably (Table 37). Although almost half the directors did not give suggestion per each selected area, it is apparent that suggestions for improvement did not fall within curriculum or system improvement. No one area appears to stand out.

State Department of Education Help (S5a-e)

A question concerning possible aid by the State Department of Education in selected areas was asked. Again the number of different responses were tabulated per area (Table 38).

Additional funding, feedback on a regular basis, and more on-site visits appear to be the areas in which the State Department of Education could aid in making projects more successful. This would be in keeping with the need for R.C.U. to expand its interaction role with projects.

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Selected Areas	Number of Different Examples G						
	0	1	2	3	4	5	
Students	20	17	1	2	0	0	
Staff	18	18	4	0	Ō	Õ	
Materials	18	19	3	0	Ō	Ō	
Curriculum	24	12	4	0	Ō	Õ	
System Improvement	22	13	5	0	Ō	Ő	

NUMBER OF RESPONSES GIVEN PER SELECTED AREA TO MAKE PROJECTS MORE SUCCESSFUL

TABLE 38

STATE DEPARTMENT OF EDUCATION HELP

Areas of Help	Numbe	r of Di	fferent	Exa	mples	Given
From the State	0	1	2	3	4	5
Additional Funds	11	17	7	5	0	0
Program Guidance	23	14	3	Ō	Ō	Ō
Professional Resources	21	14	4	1	Ō	Ō
On-Site Visits	19	20	1	Ō	Ō	Õ
Feedback on a Regular Basis	13	23	4	0	Ō	Ō

Physical Identification of Objectives (S6a-y)

Interviewers were requested to see or locate any tangible, or physical remains of projects. This was an attempt to establish whether the projects produced anything. The data is displayed in Table 39.

Reports and curricular materials appear to be the only physical remains of projects shown to the interviewers. In many cases "shop layouts" was not applicable to the projects, "student status after the programs" was found in either reports or articles; staff training and performance dealt with continued in-service programs that were off-growths of projects and/or the utilization of materials developed by such projects.

In any event, it does appear that there are physical demonstrations that the programs have had some lasting effect or influence on current educational practices.

Good and Welfare (S7, S8)

The last two questions of the schedule was written to generate any comments directors might like to share with the interviewer. Most comments reflected or

Examples	Were The Yes	y Shown? No*
New Shop Layout	13	27
Staff Trained and Performing	20	20
Student Status after Program	20	20
Curricular Materials	24	16
Reports	31	9
In-house Evaluations	16	24
Other Items	6	34

PHYSICAL EXAMPLES OF PROJECTS

TABLE 39

*In some cases the examples are not applicable to a project.

repeated the responses that were given during the intervie. Only twelve directors refused to share any "other" comments with the intervie er. Almost all comments were positive about the projects, and about the support directors received from many sources to make the projects successful.

The last question was used to determine, as unobtrusively as possible, whether the local Board of Education perceives the project favorably or not. It could also be considered an indication as to whether the Board of Education would have funded the project without R. C. U. help.

Eighteen indicated that they felt the local Board would use an increased amount of their operating budget for the project (if needed to continue the project). Sixteen indicated the School Board would not. Of the six remaining, four didn't respond and two were not sure.

Summary

The directors appeared to have enjoyed their experiences in their projects. The projects tended to have impact on students, staff, and material development. The projects tended to have little ripple effect beyond the immediate populations served, and even this was rather restrictive. Most directors would have liked to see their projects continued in some fashion.

Additional funding, regular feedback, and more on-site visits were areas where directors saw the State Department of Education aiding projects. However, in-service programs, etc., appear to also be examples of the continued effects of projects. It would appear that as many Boards of Education would use their own operating budgets to continue the projects as would not.

CHAPTER 5

COMPARISONS OF GROUPS

The following chapter is devoted to the comparison of groups in a more indepth analysis of the data than in the preceding discussion.

Length of Project

The question of whether the population distributions, by length of projects, are the same was tested by the Chi Square (χ^2) analysis method. The three basic populations were: one year projects; two year projects; and three year projects. Table 40 is a summary of the χ^2 testing on selected variables utilizing the appropriate degrees of freedom. The rows were the length of the projects, and the columns were the types of responses found for a particular variable.

There didn't appear to be any significant differences among the projects in terms of: prime administrator's background; influencing educational practices at sundry levels; influences on project director's decisions; project's outcomes in terms of ultimate effect; rating of the adequacy of R. C. U. funding; knowledge of per unit costs (as reflected in responding and non-responding) to the question or the number of each type (ethnic identification) of trainee. Length of projects didn't appear to generate any different responding patterns with the variables just discussed.

There appeared to be a significant difference (p<.05) in the percentages devoted to developing materials among the one, two, and three year projects. It seems that the two and three year projects devoted more time to developing materials than did one year projects.

One and two year projects also devoted more time to training students/adults than did three year programs (the level reached was beyond .01).

Each year-group was then analyzed separately in terms of meeting objectives (Q-O#5) and how they viewed the adequacy of R. C. U. funding. The rows were the degrees of adequacy of R. C. U. funding and the columns were the ratings of meeting objectives. Because of the nature of the instrument and the statistical program used, the responses to meeting the objectives were analyzed per line on the instrument. That is, all responses to line one of question (Q-O#5) were tabulated by rating of meeting the objective (frequency table column) by adequacy of R. C. U. funding (frequency table row). It was assumed that any differences among the three year groups would be reflected in a pattern of significant χ^2 reached.

It would seem that the distributions of responses (objectives met adequacy of funding-Table 41) were not significantly different for all those in one year projects. The same was true for the two year and three year projects. The pattern of responses on meeting objectives for those who viewed R. C. U. funding as not very adequate, was similar to those who viewed the R. C. U. funding as very adequate, etc. There was no significant difference found, let alone a series of significant patterns.

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Additional analyses were made utilizing length of program. They will be described later in this report. The data analyses indicate that length of the project doesn't appear to affect the patterns of responses found in this study. These one year, two year, and three year programs are not unique from each other.

Types of Responses, Ratings of Objectives, and Unexpected Outcomes

All responses to question (Q-O#5) were categorized into six general areas (administrative, program, student, teacher/staff, materials, and others). Did the type of response generate any differences in rating patterns was a question investigated. Chi squares were calculated (Table 42) in the same manner as was done for the data found in Table 41.

There were no significant differences generated in the patterns of rating objectives as a result of the types of objectives. Thus the pattern of administrative type objective ratings were similar to the rating patterns of student type objectives.

Unexpected outcomes (Table 43) were analyzed in the same manner. Again there were no significant differences in patterns of responses generated as a result of the types of responses. In summation, it can be stated that the directors rated the different objectives similarly - that is, the proportion of high ratings were similar (not necessarily identical) for each of the types, and it could be concluded that the nature of particular objectives did not generate more favorable (or negative) ratings than did other types of objectives.

Variables	χ^2	p *
Project Prime Administrator's Background (Q-0#3C)		
Educational Level	6.1682	n. s.
Number of years teaching	42.5961	n. s.
Number of years supervision/administration	33.1214	n. s.
Non-teaching experience	22.2662	n. s.
Percentages of the Elements of Programs (Q-0#4)		
Curriculum Development - Scope and Sequence/Guidance	20. 1388	n. s .
Research	16.9312	n. s .
Developing Materials	34.9224	<. 0
Training-teachers/other professionals	26.1376	n. s .
Training-students/adults	41.9745	<. 0
Equipment	15.8741	n. s .
Work Study	20.5221	n. s .
Influencing Educational Practices (Q-O#8)		
Building or neighborhood	6.1088	n. s
Local community and/or district	7.9722	n. s
County/Intermediate Unit	6.7865	n.s
State	12.0869	n. s
National	6.6215	n.s
Influencing Project Director's Decisions (Q-O#10)		
Sources of Internal Influence		
Professional staff/faculty	4.5098	n. s
Students	7.6496	n. s.
Secretary	12.8101	n. s
Unions	13.2437	n. s
School Board or University Policies	10,5119	n. s
Restriction of the Proposal	6.4649	n. s
Your Immediate Supervisor	5.3041	n. s
Yourself	6.8817	n.s
Sources of External Influence		
Parents	11.0027	n. s
Unions	12.4829	n. s
Community	10.9594	n. s
Local governmental policies	6.7552	n. s
State governmental policies	16.9291	n. s
U.S. governmental policies	14.4675	n. s
Political parties	4.7731	n. s
Pressure groups	6.4274	n. s

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TABLE 40

SUMMARY OF χ^2 , TESTING THE POPULATION DISTRIBUTIONS (1 YEAR × 2 YEAR × 3 YEAR) ON SELECTED VARIABLES

(Continued)

TABLE 40	(continued)

Variables	χ^2	p*
Projects Outcomes in terms of Ultimate Effect (Q-O#15)		
	5.3041	n. s.
Rating of the Adequacy of R.C.U. Funding $(Q-O#16c)$		
	5.2889	n. s.
Number responding-not responding to per unit cost		
(Q-O #18)		
	5. 1934	n. s. :
Types of Trainees (Q-O #27)		
Students (number of)		
American-Indian	23.7288	n. s.
Blacks	16.5555	n. s.
Puerto Ricans		
Whites	21.4053	n. s.
Orientals	0.8898	n. s.
Others	30.4641	n. s.
Adults		
American-Indian		
Blacks	6.6638	n. s.
Puerto Rican		
Whites	10.7872	n. s.
Orientals		
Others	4. 1910	n. s.
Teachers		
American-Indian	8.8983	n. s.
Blacks	2.4293	n. s.
Puerto-Rican	0.8898	n. s.
Whites	17.2990	n. s.
Orientals	0.8898	n. s.
Others	5.7511	n. s.

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* based on appropriate d.f.

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Meeting Objectives (Q-O#5	i)			Total Numbers Reaching Levels of Significant Differences
One Year Projects				
Objectives Met (Q-O #5) by	Adequacy	of R. C. U.	Funding (Q-O#16c) 0
		χ^2	p*	
Lines on Instrument -	1	9.1240	n. s.	
	2	4.4854	n. s.	
	3	8,9999	n. s,	
	4	8.8888	n. s.	
!	5	2.4374	n. s.	
(6	3.4999	n. s.	
·	7	1.8749	n. s.	
<u>Two Year Projects</u> Objectives Met (ରୁ-O #5) by	Adequacy	of R. C. II	Funding (Q=0#16a) 0
		χ ²	p*	, 0
Lines on Instrument -	1	2.3333	-	
	2		n.s.	
		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~	
		3.9583 10.6666	n. s.	
:	3	10.6666	n. s.	
	3 4	10.6666 0.7499	n. s. n. s.	
	3 4 5	10.6666 0.7499 1.3333	n. s. n. s. n. s.	
	3 4	10.6666 0.7499	n. s. n. s. n. s. n. s.	
	3 4 5 6	10.6666 0.7499 1.3333 2.0000	n. s. n. s. n. s. n. s.	
	3 4 5 6 7	10.6666 0.7499 1.3333 2.0000 no respons	n.s. n.s. n.s. n.s. es –	·) O
<u>Three Year Projects</u> Objectives Met (Q-O#5) by	3 4 5 6 7	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ ²	n.s. n.s. n.s. n.s. es –	·) O
<u>Three Year Projects</u> Objectives Met (Q-O#5) by Lines on Instrument -	3 4 5 6 7 Adequacy 1	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ^2 2.0740	n. s. n. s. n. s. es – Funding (Q-O#16c) 0
<u>Three Year Projects</u> Objectives Met (Q-O#5) by Lines on Instrument -	3 4 5 6 7 Adequacy 1 2	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ^2 2.0740 7.7159	n. s. n. s. n. s. es – Funding (Q-O#16c p*	•) 0
<u>Three Year Projects</u> Objectives Met (Q-O#5) by Lines on Instrument -	3 4 5 6 7 Adequacy 1 2 3	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ^2 2.0740 7.7159 0.7999	n. s. n. s. n. s. es – Funding (Q-O#16c p* n. s.	·) O
<u>Three Year Projects</u> Objectives Met (Q-O#5) by Lines on Instrument -	3 4 5 6 7 Adequacy 1 2 3 4	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ^2 2.0740 7.7159 0.7999 1.0714	n. s. n. s. n. s. n. s. es – Funding (Q-O#16c p* n. s. n. s. n. s.	·) O
<u>Three Year Projects</u> Objectives Met (Q-O#5) by Lines on Instrument -	3 4 5 6 7 Adequacy 1 2 3 4 5	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ^2 2.0740 7.7159 0.7999 1.0714 3.9374	n. s. n. s. n. s. n. s. es – Funding (Q-O#16c p* n. s. n. s. n. s. n. s.	·) O
<u>Three Year Projects</u> Objectives Met (Q-O#5) by Lines on Instrument -	3 4 5 6 7 Adequacy 1 2 3 4	10.6666 0.7499 1.3333 2.0000 no respons of R. C. U. χ^2 2.0740 7.7159 0.7999 1.0714	n. s. n. s. n. s. n. s. es – Funding (Q-O#16c p* n. s. n. s. n. s. n. s. n. s.) 0

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MEETING OBJECTIVES IN TERMS OF ADEQUACY OF R.C.U. UNDING FOR ONE YEAR, TWO YEAR, AND THREE YEAR PROJECTS

TABLE 41

* based on appropriate d.f.

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	x ²	p *	Total Number of Significant Differences
Lines on Instrument - 1	9.4469	n. s.	
2	22.9365	n. s.	
3	13.2722	n. s.	
4	17.1086	n. s.	
. 5	3.6812	n.s.	
. 6	7.3417	n. s.	
7	6.4499	<u>n.s.</u>	
			€ 0
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MEETING OBJECTIVES BY TYPES OF RESPONSES (Q-O #5)

TABLE 43

UNEXPECTED OUTCOMES (TYPES OF RESPONSES) BY POSITIVE/NEGATIVE RESPONSES (Q-O#6)

	x ²	p *	Total Number of Significant Differences
Lines on Instrument - 1	3.7681	n. s.	
2	10.8928	n. s.	
3	1.4384	n. s.	
4	0.0000	n.s.	
5	5.9999	<u>n.s.</u>	
			ξ 0

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* based on appropriate d.f.

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Request for Assistance by Assistance Received

Of interest is whether those who requested assistance perceived the assistance they received as being higher than those who did not request assistance (Q-O#20).

The data displayed in Table 44 indicates that from all sources of assistance, those who requested assistance rated their assistance significantly different than those who did not. Those who requested assistance, in each case, rated the assistance received much higher than those who didn't request such aid. However, the results were expected, since one of the ratings (1) was for "no assistance". Thus many who didn't request assistance rated the response to the particular source with a "1". It is of interest to note that: out of 39 who did not request assistance from R. C. U., 17 rated R. C. U. help above 1; out of 20 who did not request assistance from State Department of Education (Voc. Ed.), 9 rated assistance received above 1; and out of 42 non requests for help, 10 rated help from teacher education institutions above 1. In all the other cases, almost all those who didn't request help from a source, were given no assistance. Thus it is evident that assistance was given to those who asked for it, and that many who did not request help from R.C.U., Vocational Education Department (State), and teacher education institutions, received it anyway.

TABLE 44

	χ^2	p *
R. C. U.	36.8004	.001
State Department of Education (Voc. Ed.)	50.9016	.001
State Department of Education (Non-Voc. Ed.)	42.7182	.001
County Educational Personnel	50.3305	. 001
District Personnel	49.2390	. 001
School Building Personnel	47.3937	. 001
Teacher Education Institution	51.1739	. 001

REQUEST FOR ASSISTANCE BY RATING ASSISTANCE RECEIVED FROM SOURCES (Q-O#20)

* based on appropriate d.f.

Multiple Discriminant Analysis

In order to determine to what extent various classifications and groups can and are different among each other, and on what variables the differences can be established (maximizing the differences), a multiple discriminant analysis approach was used. The B M D 0 5 M (Dixon's Biomedical Computer Program No. 2) was the computer program utilized.

LISTING OF DISCRIMINANT ANALYSIS

General Area	Groups
Length of Projects	1 year; 2 year; 3 year
Population Concentration	Urban; Suburban; Rural
Geographic Community	Under 25,000; 25-50,000; 50,001-100,000; over 100,000
Types of Activities (over 50%)	Work Study; Equipment/Development Material; Training; Research; Curricu- lum
Total Funding Levels	Under 10,000; 10-30,000; 30,001-75,000; over 75,000.
R.C.U. Funding Levels	Under 5.000; 5,000-9,999; 10,000-50,000; over 50,000
Students (over 50%)	Minority; White
Type of Training (over 50%)	Teachers; Students

TABLE 46

DISCRIMINANT ANALYSIS KEY - VARIABLES USED IN THE ANALYSIS

Variable Name	Number Used under Mean Score and Coefficient
Number of Years Teaching (Q-O #3B)	1
Number of Years Supervision/Administration (Q-O#3b)	2
Number of Years of Non-Educational Experience (Q-O#3c)	3
Transformed Rating of Prime Objectives (Q-0#5)	4
Transformed Rating of Unexpected Outcomes (Q-O#6)	5
\overline{X} of Factors Contributing to Success (Q-O #7a)	6
X of Factors Hindering Success (Q-O #7b)	7
Influencing Educational Practices at (Q-O #8);	·
Building Level	8
Local Level	9
County/Intermediate Level	10
State	11
_ National	12
X Extent of Internal Influence (Q-O#10a)	13
X Extent of External Influence (Q-O #10b)	14
X Satisfaction Generated (Q-O $\#13$)	15
X Attitude Changes (Q-O#14)	16
Ultimate Outcome on Targeted Population (Q-O#15)	17
Adequacy of R.C.U. Funding (Q-O#16c)	18
X per Unit Cost per Project (Q-O#18)	19
X Assistance Received (Q-O #20)	20
Effectiveness of Voc. Ed. Adv. Council (Q-O#25c)	21

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A survey of Tables 45 and 46 should give the reader an overview of the thrust of the analysis. The groups are those generally found as classifications in most formal structures or organizations. The variables investigated focused on: administrative input, objectives, attitudes, effects, assistance, and influences. All twenty-one variables were used in each discriminant analysis. The discriminant analyses are found in Tables 47 to 54; a summary of the variables with the heaviest loadings (coefficients) per discriminant function is found in Table 55. The reader may use Table 46 as a key to identify the variables in the sundry analyses.

The generalized Mahalanobis D^2 is used to determine if the mean values are the same in all groups for all the same variables in composite. If the D^2 reaches the level of statistical significance (p<.05), then it can be assumed that there are significant differences among the groups in terms of the variables; if not, we don't go any further. The coefficient loadings can be considered as weights for each variable in order to maximize the differences among the means of the composites derived from the groups relative to the variance within the groups. Thus large positive or negative weights help to maximize the separation among the groups. The heavier the loading of a variable, the more influence (either positive or negative) it has on the uniqueness of that particular group. The classification matrix is a summary of how many projects found in the original groups (rows) would be placed in the maximized groups (columns). This placement is based on the largest probability of membership for each project in a particular group (column).

Because of the volume of data, the evaluation of classification functions for each case is not presented. Mean scores are found in each table. The reader may survey the mean scores to determine existing differences among the groups for a particular variable; however, this analysis is focusing on relationships between and within groups.

Since the Mahalanobis D^2 (in Table 47) did not reach the .05 level of significance, it can be assumed that there are chance differences among the three length of projects. We can assume that the one, two and three year projects can not be separated along the twenty-one variables (Table 46) used in the analysis.

Urban, Suburban, and Rural projects can be separated. The classification of urban projects is stronger than suburban, and suburban is stronger than rural, in terms of the variables. That is, the separation is greater for urban than suburban, which in turn, is greater than rural. The strongest factors for the urban group are \overline{X} satisfaction generated and adequacy of R. C. U. funding. The heaviest loaders for suburban are unexpected outcomes, influences of education practices at the county level, and \overline{X} satisfaction generated. The rural loads high on \overline{X} satisfaction generated and adequacy of R. C. U. funding of R. C. U. funding enerated and adequacy of R. C. U. funding is a factor.

Projects serving various size communities appear to be quite different in this study. Those in projects serving communities of 50,000-100,000 are much different than those serving communities of over 100,000, both are different from the other two groups (under 25,000; 25,000-50,000). Meeting prime objectives, internal influence, \overline{X} satisfaction generated, and attitude changes have strong effects on projects serving small communities. The projects serving 25,000-50,000 people are affected

by internal influence, and \overline{X} satisfaction generated. The next size group is influenced by meeting prime objectives, unexpected objectives, internal influence, and \overline{X} satisfaction generated. The projects serving the largest populations are affected by (or different because of) internal influence and \overline{X} satisfaction generated. It appears that all four groups are affected by \overline{X} satisfaction generated. It also appears that \overline{X} satisfaction is a stronger discriminator for the projects serving the top three population communities than it does for the projects serving communities under 25,000. The extent of internal influence also appears to be good discriminator among the groups. Meeting prime objectives is a lesser effective factor.

Projects whose major (50% or more) focus is on a particular area (e.g. work study; curriculum-scope and sequence/guidance; training; research; equipment and developing materials) appear to be quite different from projects focusing on other major areas. Because of cell size limitations, all training programs were combined. Equipment was merged with developing materials for the same reason. Projects focusing on work study, equipment and developing materials, and curriculum-scope and sequence/guidance are quite distinctive and are quite different from each other and from those involved in training and research. The latter two areas projects can also be separated, but not as clearly. All five areas can be separated from each other - thus they are quite different.

Work study programs are influenced most positively by the extent of internal influence and negatively by ultimate outcomes on targeted populations. Equipment and developing material projects were separated from the others by: influence on the educational practices at the county level; satisfaction generated; very heavily by attitude changes; very negatively, by ultimate outcome on targeted population; adequacy of R. C. U. funding; and assistance received.

Training programs were affected by: unexpected outcomes; extent of internal influence; satisfaction generated; and attitude changes. Variables influencing research projects were: meeting prime objectives; unexpected outcomes; satisfaction generated; and adequacy of R. C. U. funding. The projects involved in curriculum were separated from the others primarily by: unexpected outcomes; quite heavily by the extent of internal influences; by the extent of external influences (negatively); heavily by satisfaction generated; attitude changes (negatively); heavily by both ultimate outcomes and adequacy of R. C. U. funding; and assistance received.

It would appear that in separating the various groups, the following factors were most influential; degree of unexpected outcomes; extent of internal influence; satisfaction generated by the projects, attitude changes; ultimate outcomes; and the degree of adequacy of R.C.U. funding.

Programs were broken down into four groups according to total funding size. They were: under \$10,000; \$10,000-30,000; \$30,000-75,000; over \$75,000. There were significant differences among the four groups in terms of the twenty-one composite variables. The under \$10,000 group of projects is most distinctive. The over \$75,000 is the next most distinctive group. It is most difficult to separate the projects falling into the \$10,000-30,000 and \$30,000 to \$75,000 categories. Thus the two extreme funded groups are the most separated. Under \$10,000 funded projects are separated best by ratings on meeting prime objectives, unexpected outcomes (in a negative way) influencing educational practices at the county level, extent of internal influence (highest factor), satisfaction generated, adequacy of R. C. U. funding, and assistance received.

\$10,000 to 30,000 level projects were influenced most by: ratings of prime objectives; factors hindering success; extent of internal influence; satisfaction generated; and adequacy of R. C. U. funding.

\$30,001-75,000 funded programs were separated from the others primarily by: ratings of prime objectives; factors hindering success; influencing educational practices at the county level; extent of internal influence; satisfaction generated; attitude changes; and adequacy of R. C. U. funding.

The most costly programs (over \$75,000) were affected by: prime objectives; unexpected outcomes (negatively); factors hindering success; influencing educational practices at the county level; satisfaction generated; attitude changes; adequacy of R. C. U. funding; assistance received; and most heavily by the extent of internal influences.

It is apparent that several factors have the most influence in separating the projects that were divided according to total funding. These factors are: meeting prime objectives; factors hindering success; influencing educational practices at the county level, extent of internal influence; and the degree of adequacy of R.C.U. funding.

The programs were then looked at according to the level of R. C. U. funding (under \$5,000; \$5,000-9,999; \$10,000-50,000; over \$50,000). The separation among the groups was not as pronounced as the separation according to total funding (the D² for R. C. U. reached only the .025 level of significance; the D² for total fund-ing was beyond the .001 level). Although there appears to be strong separation among the three top funded classifications, none of the groups are particularly unique.

Meeting prime objectives, unexpected objectives (negatively), factors hindering success, extent of internal and external influence, satisfaction generated, attitude changes, and adequacy of R. C. U. funding, all help to separate the under \$5,000 R. C. U. funded projects from the others.

Those factors helping to make the \$5,000 to 9,999 unique are: prime objectives; contributions to success (negatively); hindrance to success; influencing the educational practices at the building level (negatively); very heavily by the extent of internal influence; satisfaction generated; attitude changes; adequacy of R. C. U. funding; and assistance received (negatively).

The \$10,000 to \$50,000 group was affected by: factors contributing to success (negatively); factors hindering success; extent of internal influence; satisfaction generated (extremely heavy weights); attitude changes; and adequacy of R. C. U. funding.

The highest funded group (over \$50,000) was generally separated by: extent of internal influence; heavily by satisfaction generated; attitude changes; and adequacy of R. C. U. funding.

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It would appear that the major contributors to the separation of the four classifications are: the degree of hindrance received from sundry sources; the extent of internal influence on decision making; satisfaction generated by the programs, attitude changes, and adequacy of R.C.U. funding.

Training programs were then analyzed according to whether they trained whites or minority students. Only those programs where over 50% of the participants were white or were either American Indian, Black, Puerto Rican, Oriental were selected ("others" was excluded).

The separation between the programs training whites and those training minorities was extreme. The strongest separation among all the groups in all the discriminant analyses was found here. This means that when considering all twenty-one variables, the two classifications are quite different.

The minority programs were separated from the other programs by: noncducational experience of the director (heavily); ratings of prime objectives (extremely heavily); unexpected outcomes (heavy); factors contributing to success; factors hindering success; influencing building educational policies (negatively); influencing local educational policies (heavily); influencing national educational policies (very heavily negative); extent of internal influence; extent of external influence (negative); satisfaction generated (negative); attitude changes (heavily negative); ultimate outcomes (heavy); adequacy of R. C. U. funding; assistance received (heavily negative); and effectiveness of Vocational Education Advisory Councils.

Programs involved primarily with white participants were influenced by: negatively, number of years of supervision/administrative experience of director; negatively by non-educational experience of the director; very heavily by meeting prime objectives; heavily negative unexpected outcomes; factors hindering success; heavily by influencing educational practices at the local district level, negatively at the county level, heavily at the state level, very negatively heavy at the national level; extent of internal influence; negatively, extent of external influence; satisfaction generated; negatively, attitude changes; very heavily negative ultimate outcomes; very heavy adequacy of R. C. U. funding; very heavily assistance received; and effectiveness of Vocational Education Advisory Councils.

Of considerable interest here are the factors (variables) that appear to have <u>opposite effects</u> on the two groups. These factors are: number of years of noneducational experience - with a negative effect on the white group; rating of unexpected outcomes - with a negative effect on the white group; the degree of influencing educational practices at the building level - with negative effect on the minority group; the degree of influencing educational practices at the county/intermediate level - with negative effect on the white group; satisfaction generated by the project with negative effect on the minority group; ultimate outcome on targeted population with negative effect on the white group; degree of assistance received - with negative effect on the minority group.

Also of interest is where there are similar effects (in terms of direction): the degree of effect is worth noting. The following had significant effects on both groups, with the group receiving the strongest effect indicated: rating of prime objectives

(minority strongest); factors hindering success (minority strongest); influencing educational practices at the local level (white strongest); influencing educational practices at the national level - negative effect (white strongest); extent of internal influence (white strongest); extent of external influence - negative effect (white strongest); attitude changes - negative effect (minority strongest); adequacy of R. C. U. funding (white strongest); and effectiveness of Vocational Educational Advisory Councils (white strongest).

It appears that the strongest factor generating the separation between the two groups for minority programs is meeting the prime objectives (extreme high positive weight of 26.29979). The extreme negative factors for minority programs are: influencing practices at the national level; attitude changes; and assistance received.

The strongest factor generating the separation for the white student programs is amount of assistance received (high positive weight of 19.69264). Two other factors had strong positive weights. They were: meeting prime objectives (13.45496); influencing educational practices at the state level (14.88105); and adequacy of R. C. U. funding. There were several highly negative factors. They were: unexpected outcomes; influencing educational practices at the county and national levels; extent of external influence; and ultimate outcomes of targeted population (ultimate outcomes generated almost as high a weight as did amount of assistance).

At best, it appears that the twenty-one variables affected each group differently. There are many significant reversals of effects, as well as many variables having different strengths when there are similar effects. However, it does appear that meeting the prime objectives of the projects is more important and significant to programs dealing with minorities than with whites. It appears that assistance received is much more significant and important for white programs than minority programs. The ultimate outcomes on targeted population appears to have a significant negative effect on programs dealing primarily with whites. Training programs were then analyzed according to whether they taught primarily teachers or whether they taught primarily students. The separation was not as strong as the previous analysis; however, the separation was quite strong.

The teacher group was separated by: meeting prime objectives, unexpected outcomes (negative); factors contributing to success; factors hindering success; educational practices at the local, state, and national (negative) levels; extent of internal influence; satisfaction generated (negative); ultimate outcomes on targeted population; adequacy of R. C. U. funding; assistance received (negative); and effectiveness of Vocational Education Advisory Council.

Groups serving primarily students were separated from the teacher group by: meeting prime objectives; unexpected outcomes (negative); factors contributing to success; factors hindering success; educational practices at local, state, and national (negative); extent of internal and external (negative) influence; satisfaction generated (negative); attitude changes (negative); adequacy of R. C. U. funding; assistance received; and effectiveness of Vocational Education Advisory Councils.

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The strongest influences for teachers were: meeting the prime objectives of the project (20.86571); influencing educational practices at the national level (-11.71726); and adequacy of R.C.U. funding (14.27347).

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The major factors for students appear to be: meeting the prime objectives of the project; influencing educational practices at the national level (-10.91530); and adequacy of R. C. U. funding (11.80378).

There was only one significant reversal effect generated by a variable - that was assistance received, with teachers group having a negative loading.

The groups appeared to be quite similar in terms of what variable affected them and which ones helped to separate the two groups. There were six variables that did appear to have a different degree of effect on the two groups. They were: unexpected outcomes - negative effect (students stronger); influencing educational practices at the local level (students stronger), the state level (students stronger), and national level - negative effect (teachers stronger); satisfaction generated negative effect (teachers stronger) and adequacy of R. C. U. funding (teachers stronger).

It would appear that meeting the prime objectives, influencing educational practices at the national level (negative), and adequacy of R. C. U. funding are the factors that are separating the two groups.

Summary of the Discriminant Analysis

It was found that there are significant differences among the projects in terms of: rural, urban, suburban; size of communities served; types of primary activities; degrees of total funding; degrees of R. C. U. funding; ethnic identification of students trained; and focusing on training teachers or students. Length of project (one year, two years, three years) did not generate any differences. The groups were analyzed in terms of a multivariate space (21 variables) utilizing the discriminant analysis approach.

It was found that different factors had different effects on the groups, depending on the nature of the group. It would appear that in one situation a particular variable would have a strong positive effect in separating a group, and in another situation the same variable would have a strong negative effect. It is for this reason, that factors that consistently influenced separations (regardless of direction), or are extremely powerful, should be considered as being significant for the purposes of this study.

The following variables appear to have the most influence in separating the many groups in the analyses just described:

The most powerful and significant variable appears to be <u>meeting the prime</u> <u>objectives</u> of the program. This variable generated the highest weights - particularly with the training programs. This means that meeting goals and objectives is quite important, generates differences and therefore much value should be placed here.

The effects of <u>unexpected outcomes</u> appears to be mixed - with both positive and negative effects on the groups. But unexpected outcomes appear to be a major factor. The effects of <u>factors hindering success</u> appears to be important. Factors that hinder success must be considered as a major element in this study.

<u>Influencing the educational practices at the national</u> level had significant effect in training programs only. The effect was negative. Generally the effect on educational practices at the national level would not be a significant thrust of such programs, which most likely explains the lack of effect nationally. Obviously, groups of training programs tended to generate dissimilar but negative effects at the national level.

The effect of <u>internal influence</u> on decision-making appeared to be a significant factor in this study and played a major role in discriminating among the groups. Mean <u>satisfaction generated</u> by the program on interested and concerned personnel was the one variable that generated the largest number of significant weights. It appeared more times than any other variable in helping to discriminate among the groups. <u>Changes in attitude</u> among participants toward selected stimuli was another significant discriminator. The degree of <u>adequacy of R. C. U. funding</u> also was an important discriminator. The <u>amount of assistance</u> had positive and negative effects in separating the groups. In programs for teachers and minorities, the amount of assistance received had a negative effect. It appeared to be highly important (positive) for programs dealing with white students. Only the training programs appeared to consider the <u>effectiveness of Vocational Education Advisory Council</u> as being important (positive). The programs dealing primarily with whites valued their effectiveness more than the others.

Urban, Suburban, and Rural projects were easily separated. Programs serving larger communities were easier to distinguish than those serving smaller communities. Training and Rescarch programs were not as easily identified as work study, equipment-developing materials, and curriculum. The extremes in total funding were quite different; the two middle groups were not. The low R.C.U. funded projects were not easily separated as were the other levels of R.C.U. funding. Training programs were the easiest to separate of all the classifications. It would also appear that more factors (variables) influence the separation than any of the other groupings.

It can be concluded that the training projects are more sensitive to the variables studied than any other grouping of projects. It is also interesting to note that goals and goal-related variables played a major role in separating the groups, and that several non-goal oriented factors played a part as well. The nature of the directors of projects and per unit costs were not factors.

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GROUP	1 YEAR	2 YEARS	3 YEARS	TOTAL
SAMPLE SIZE	65	12	21	98
MEAN SCORES			2.	90
1	13.07692	11.16667	16 40067	
2	6.47692	5.91667	15.42857 4.33333	
3	4.36923	3.25000	4.76190	
4	3.99876	3.49416	4.12524	
5	0.35031	0.88917	0.50476	
6	3.18923	3.25000	3.28571	
7 8	2.53846	3.43333	3.38095	
8	3.73846	5.00000	4.80952	
9	4.24615	5.50000	5.19048	
10	3.04615	3.75000	3.95238	
11	3.52308	4.08333	4.19048	
12	2.32308	2.83333	3.09524	
13	4.85983	5.11000	5.16761	
14 15	3.77692	4.09583	4.28143	
16	4.45414	3.97666	4.49000	
17	3.78646	4.17666	4.06857	
18	3.64615 2.75385	4.16667	4.04762	
19	948.04614	3.50000	3.00000	
20	2.13953	452.66650	1234.38086	
21	1.58461	2.34333 2.50000	2.48571	
2,			2.85714	
	Generalized M	ahalanobis $D^2 = 42.27213$		
		d.f. 42, n.s.		
FUNCTION	1	2	3	
COEFFICIENT		-	3	
1	0.07195	0.02064	0.40000	
2	-0.06325	0.08964	0.13552	
3	-0.01067	-0.08636 -0.02840	-0.13847	
3 4	1.31485	0.90251	-0.02414	
5	-0.15872	2.11217	1.38833	
6	-0.15335	-0.43668	0.08719	
7	0.69582	0.77192	-0.45754 0.92043	
8	-0.22651	0.10728	-0.14116	
9	-0.18715	-0.02662	-0.21434	
. 10	0.90525	0.55512	1.07696	
11	-0.29320	0.08910	-0.34120	
12	-0.13041	-0.44989	-0.22547	
13	1.78038	1.77116	2.03898	
14	-0.04517	-0.13372	-0.15096	
15	2.12513	1.74391	1.97162	
16	0.72821	0.59257	0.75777	
17	-0.06654	0.60435	0.02079	
18 19	0.97954	1.31829	1.03207	
20	0.00009	0.00002	0.00012	
20	-0.28780 -0.10669	-0.44345	-0.27750	
		0.01375	0.23050	
CONSTANT	-14.60364	15.77071	-17.10745	
		CLASSIFICATION MATRIX		
FUNCTION	1	2	•	
GROUP	-	4	3	TOTAL
1	38	10	4 7	
2	4	6	17	65
3	5	3	2	12
-	-	3	13	21

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TABLE 47

DISCRIMINANT ANALYSIS - LENGTH OF PROJECT

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Full Text Provided by E

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GROUP	URBAN	SUBURBAN	RURAL	TOTAL
SAMPLE	31	20	29	80
MEAN SCORES				
1	15.32258	12.90000	12.03448	
2	6.74193	4.05000	5.65517	
3 4	4.29032	5.20000	4.13793	
	4.32548	3.60100	3.83931	
5	0.30645	0.66350	0.53793	
6	2.95161	3.30000	3.50000	
7	2.08710	3.55000	3.13793	
8	3.83871	5.05000	4.93103	
9	3.93548	4.70000	5.41379	
10	2.25806	4.45000	4.06896	
11	3.67742	4.15000	3.96552	
12	1.83871	3.60000	3.20690	
13	5.12096	4.70099	4.97689	
14	4.15451	4.17900	4.02758	
15	4.83290	4.08499	4.45586	
16	4.11161	3.65050	4.04517	
17	4.16129	3.55000	3.93103	
18	2.67742	2.45000	3.37931	
19	1033.03223	1719.75000	574.17236	
20	2.31645	2.49049 2.35000	2.27241	
21	1.58064		2.27586	
	Generalized Ma	halanobis $D^2 = 65.06$		
		d.f. 42, p <	.01	
FUNCTION	1	2	3	
COEFFICIENT				
1	0.02341	0.06707	0.02929	
2	- 0.09133	- 0.11921	~ 0.08603	
3	- 0.00755	0.00643	- 0.01913	
4	0.79628	0.49826	0.76950	
5	0.71010	1.22720	0.68200	
6	0.03269	– 0.14523	- 0.04076	
7	0.32027	0.51220	0.51853	
8	- 0.02717	0.12996	- 0.22059	
9	0.27478	- 0.65018	0.18314	
10	- 0.07287	1.02479	0.59170	
11	0.26363	- 0.27776	0.04493	
12	- 0.52606	- 0.00437	- 0.33347	
13	0.55594	0.80492	0.81441	
14	0.73847	0.49095	0.30320	
15	2.76380	2.53838	2.69663 0.31701	
16 17	0.22388	0.39051 0.16113	0.48606	
18	0.59488 1.07255	0.52448	1.09750	
19	0.00001	0.52448	- 0.00002	
20	0.01564	0.42037	- 0.42815	
20	- 0.50204	0.07955	- 0.14320	
CONSTANT	-14.87447	-13.10416	-14.44636	
	CLA	SSIFICATION MATRIX	Υ.	
FUNCTION	1	2	3	TOTAL
GROUP				
GROUP 1	21	4	6	31
	21 1 7	4 15	6 4 18	31 20

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TABLE 48

DISCRIMINANT ANALYSIS - POPULATION CONCENTRATION

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TABLE 49

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DISCRIMINANT ANALYSIS - GEOGRAPHIC COMMUNITY					
	UNDER 25,000	25,000-50,000	50,001-100,000	OVER 100,000	
GROUP	1	. 2	3	4	TOTAL
SAMPLE	13	13	23	41	90
MEAN SCORES	6				00
1	13.84615	13.30769	9.13043	16.00000	
	3.15385	6.46154	5.21739	6.07317	
2 3 4	2.76923	3.76923	4.91304	4.95122	
4	3.97000	3.53384	4.02913	4.10536	
5 6 7	0.35385	0.42308	0.71087	0.31512	
5	3.23077	3.96154	3.73913	2.70244	
8	3.07692 4.92308	3.69231 5.23077	3.28261 5.08696	2.16341	
9	4.92308	5.76923	5.52174	3.39024 3.70732	
10	3.84615	4.30769	4.34783	2.53658	
11	3.76923	3.76923	4.69565	3.36585	
12	3.46154	3.46154	3.95652	1.58537	
13	4.76307	4.96231	5.18130	4.80073	
14	4.03384	4.48230	4.14304	3.72683	
15	4.06153	4.57999	4.28217	4.67561	
16	3.75538	4.08461	4.04087	3.93780	
17 18	3.38461	4.00000	3.82609	4.02439	
19	3.15385 784.23071	2.61538 513.53833	3.60870	2.36585	
20	2.24307	2.46153	1032.82593	1172.92676	
21	2.15385	1.46154	2.57521 2.95652	2.05877 1.51219	
		d Mahatanobis D		. 1.51219	
	Generalize		f. 63, p <.001		
			11.00, p 4.001		
FUNCTION	1	2	3	4	
COEFFICIENT	,	-	U	4	
1	0.06360	0.01893	0 19570	0.00405	
	-0.09907	0.04438	-0.18579 0.16553	0.03195	
2 3	-0.06629	-0.06151	0.08460	-0.02942 0.00149	
4	1.16284	0.13060	1.27500	0.89569	
5	-0.63503	-0.11157	1.80781	0.67984	
6	-0.20294	0.13147	-0.09700	-0.12720	
7	0.75928	0.78474	0.60696	0.61079	
8	-0.10451	-0.18570	-0.52488	-0.14999	
9	-0.20023	0.18545	0.25542	-0.14747	
10	0.91992	0.68344	0.46424	0.66285	
11 12	-0.41233	-0.31819	0.39479	-0.25283	
13	0.22003 1.74201	0.26059 1.32199	0.30283 1.74062	-0.15917	
14	-0.13093	-0.00821	-0.79907	1.17394 -0.08731	
15	1.70212	2.65350	2.68391	2.55797	
16	1.26460	0.95932	0.01434	0.63609	
17	-0.32070	0.28341	-0.07271	0.74304	
18	0.76272	0.23827	0.78670	0.65838	
19	0.00014	0.00012	0.00001	0.00009	
20	-0.17657	0.56333	0.36871	-0.33973	
21	0.01907	-0.43334	0.75684	-0.00247	
CONSTANT	-14.10403	-16.02614	-17.23055	-14.22687	
		61 46645-			
ELINOTION	4		ATION MATRIX	-	
FUNCTION	1	2	3	4	TOTAL
GROUP	_	_			
1	7	3	2	1	13
2	3	8	1	1	13
3 4	4 6	1 5	17	1	23
7	U	G	3	27	41

DISCRIMINANT ANALYSIS - GEOGRAPHIC COMMUNITY

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DISCRIMINANT ANALYSIS - TYPES O	ACTIVITIES (50%	or more concentration)
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GROUP	WORK STUDY	EQUIPMENT/ DEVELOPMENT MATERIALS	TRAINING STUDENTS/ TEACHERS	RESEARCH	CURRICULUM DEVELOPMENT	TOTAL
SAMPLE	9	8	23	11	7	58
MEAN SCORES					-	
1	8.11111	12.37500	15.21739	11.54545	9.00000	
2	3.33333	8.87500	8.86957	5.81818	4.28571	
3	4.55556	5.37500	3.17391	2.18182	4.42857	
4	3.74333	3.54125	4.21304	3.23000	4.40714	
5	0.55556	0.31250	0.44217	0.27273	0.25000	
6	2.94444	2.81250	2.86957	2.95455	3.57143	
7	2.63333	2.43750	2.19565	2.81818		
8	5.55556	2.87500	3.43478	2.63636	1.42857 4.00000	
9	5.77778	4.12500	4.47826	3.63636		
10	4.33333	2.37500	2.60870	1.90909	3.28571	
11	4.22222	1.62500	4.00000	2.63630	2.00000	
12	3.55556	1.62500	1.78261	1.63636	2.14286	
13	4.66444	4.59250	5.15043		2.00000	
14	4.33666	3.42250	3.57695	4.40364	5.40571	
15	4.32333	4.21875	4.48434	3.81909	2.73857	
16	4.24555	4.15750	4.46434 4.15261	3.76909	4.86857	
17	3.77778	3.12500	4.00000	2.86273	3.06143	
18	3.22222	3.12500	2.34783	3.09091	4.14286	
19	187.33333	110.50000	272.00000	3.27273	3.71428	
20	2.48111	2.62500	2.05912	9.09091	5147.42578	
20	1.44444	2.02500	1.39130	1.84363	2.59428	
21	1.44444			1.81818	1.85714	
		Generalized Maha	d.f. 84, p	< .001		
		•				
FUNCTION	1	2	3	4	5	
COEFFICIENT						
1	- 0.01518	0.31638	0.11809	0.14504	- 0.09620	
2	- 0.18494	- 0.01466	- 0.11847	-0.00181	- 0.03391	
3	0.33247	- 0.05456	- 0.08544	-0.03578	0.26219	
4	0.26462	- 0.73790	0.85194	1.20976	0.19886	
5	0.28617	- 0.57112	1.08162	1.04675	1.23136	
6	- 0.34224	0.62854	- 0.01656	0.20678	- 0.00915	
7	0.11979	0.21255	0.41644	0.49208	- 0.20395	
8	0.00329	- 0.52418	- 0.37939	-0.46712	0.49222	
9	0.79739	- 0.49179	0.32978	-0.67626	- 0.92148	
10	0.59965	1.34656	0.78778	0.84627	- 0.06108	
11	0.64052	- 0.66076	0.39247	-0.66787	- 0.34581	
12	- 0.48735	- 0.03227	- 0.64751	-0.07800	0.38000	
13	1.05687	0.62390	1.31846	0.69521	2.41935	
14	- 0.06080	0.45248	- 0.29653	0.57900	- 1.68422	
15	0.85317	1.72639	1.31341	1.17906	2.23790	
16	2.43666	3.96730	1.78248	0.06122	- 1.71858	
17	- 1.26318	- 3.12265	- 0.97667	0.43139	2.34299	
18	0.73433	1.01975	0.37429	1.51336	2.07695	
19	0.00068	0.00089	0.00049	0.00002	0.00074	
20	0.65706	1.06893	- 0.09361	-0.94483	1.64529	
21	- 0.92174	- 0.20753	-0.29084	-0.02444	- 0.83651	
CONSTANT	-13.07406	-12.81569	-11.79199	-9.10264	-18.95578	
			ATION MATRIX			
FUNCTION	1	· 2	3	4	5	TOTAL
GROUP	2	-	-	-		IUTAL
1	7	2	0	0	0	9
2	1	5	1	ĩ	ŏ	8
2 3 4	3 0	1	15	4	ŏ	23
	0	2	1	8	ŏ	11
5	1	Ō	Ó	ĩ	ő	7

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CDOUR	UNDER		40.000 00.000	OVER	
GROUP	10,000 22	30,001–75,000 16	10,00030,000 15	75,000	TOTAL
SAMPLE MEAN SCORES	44	10	15	23	76
MEAN SCORES	16.86363	8.50000	10.33333	13.34783	
2	6.31818	5.12500	3.73333	6.00000	
2	4.27273	3.56250	4.00000	4.26087	
3 4	4.13409	4.05375	3.48933	4.22087	
5	0.21591	0.54812	0.73333	0.47913	
5	2.88636	3.68750	3.46667	3.69565	
7	1.52273	3.90625	3.73333	3.16087	
8	2.45455	4.81250	4.20000	5.52174	
9	3.00000	5.43750	4.93333	5.91304	
10	2.09091	3.75000	3.53333	3.91304	
11	3.77273	3.75000	3.20000		
12	1.95455	2.62500	3.13333	3.65217 2.95652	
13	5.24772	4.74250	4.46533	5.29999	
13		4.25937	4.07733		
14	3.52000 4.39090	4.25937 4.32750		4.57782	
			4.06866 3.82333	4.53130	
16	3.57727	3.76312		4.43000	
17	3.40909	3.62500	3.73333	4.47826	
18	3.09091	3.43750	3.00000	3.08696	
19	604.68164	1850.75000	2041.06665	695.86938	
20	2.09227	2.24375	2.20066	2.73087	
21	1.27273	2.50000	2.26667	2.65217	
	Gen	eralized Mahalanobis I			
		d.f. (63,p < .001		
FUNCTION	1	2	3	•	
COEFFICIENT	• .	2	3	4	
1	0.18172	- 0.00692	0.05517	0.09651	
2	- 0.12449	- 0.00575	- 0.07856	0.08651 - 0.09699	
2	- 0.09291	- 0.13436	- 0.11077	- 0.14209	
3 4		2.17377			
5	1.67089 - 2.53206	- 0.29502	1.27772 0.18028	1.76444 - 1.43968	
6	0.34578	- 0.14091	- 0.02189	0.06586	
7	- 0.82426	1.43454	1.12382	1.21200	
8	- 0.38177	- 0.11761	- 0.23338	0.00154	
9	- 0.74564	- 0.11781 - 0.07544	- 0.26133	- 0.25665	
10	1.16564	0.87922	1.01228	1.18659	
11	0.55554	0.40289	- 0.25119	- 0.11831	
12	- 0.41187	- 0.69091	- 0.09937	- 0.43936	
13	3.69866	2.28413	2.29518	3.02631	
14	- 0.15000	0.25537	0.48903	0.28419	
15	1.49984	2.44242	2.07889	1.50096	
16	0.58743	0.58503	1.33447	1.12114	
17	- 0.47300	- 0.43921	- 0.14758	0.21512	
18	2.72860	2.28599	1.79853	1.94831	
19	- 0.00001	0.00001	0.00020	0.00002	
20	1.15369	0.86383	0.72015	1.36902	
20	- 0.46641	0.02111	- 0.14563	- 0.33605	
CONSTANT	-23.61496	-24.07538	-20.52734	-25.57607	
		CLASSIFICATION !	MATRIX		
FUNCTION	1	2	3	4	TOTAL
GROUP					
1	15	1	2	4	22
2	1	9.	4	2	16
3	1	4	7	3	15
4	1	4	4	14	23

TABLE 51 DISCRIMINANT ANALYSIS – TOTAL FUNDING LEVELS

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GROUP	UNDER 5,000	5,000-9,999	10,000-50,000	OVER 50,000	
SAMPLE	1 15	2 10	3 29	4 20	TOTAL 74
MEAN SCORES	15	10	25	20	/4
MEAN SCORES	14.20000	10.30000	12.72414	10.20000	
2	5.53333	4.80000	4.68965	4.65000	
3	5.60000	3.40000	4.17241	4.20000	
4	3.92000	4.05500	3.78724	3.77350	
5	0.33333	0.51000	0.55483	0.56250	
6	3.80000	2.90000	3.56896	3.55000	
7	2.90000	2.80000	3.46552	2.73500	
8	3.73333	2.90000	4.55172	5.30000	
9	4.20000	4.60000	4.93103	5.35000	
10	2.86667	2.40000	3.10345	4.40000	
11	3.06667	3.10000	3.41379	3.95000	
12	2.60000	1.90000	2.65517	3.35000	
13	4.92533	5.14400	4.99689	4.73950	
13	4.02866	3.63900	4.03620	3.83300	
15	4.10000	4.23800	4.61344	4.32050	
16	3.28000	3.98500	4.14103	3.90749	
17	3.06667	3.70000	3.89655	4.15000	
18	3.60000	3.90000	3.27586		
19	930.00000	35.29999	3.27500 1173.13770	3.40000 1756.29980	
20	2.20599	2.06100	2.44655		
				2.34750	
21	2.00000	1.60000	3.06896	1.60000	
	Gene	eralized Mahalanobis			
		d.f. (63,p < .025		
FUNCTION	1	2	3	4	
COEFFICIENT	•	-	J	-	
1	0.12355	0.05708	0.09542	0.06767	
2	0.02255	- 0.01042	0.08733	- 0.00776	
3	0.11654	- 0.08172	- 0.13684	- 0.06609	
4	1.01766	1.11312	0.37893	0.60347	
5	- 1.03595	- 0.72647	- 0.10533	- 0.22004	
6	- 0.30225	- 1.05297	- 1.16166	- 0.61308	
7	1.08795	1.20855	1.29126	0.80326	
8	- 0.59839	- 1.08218	- 0.57214	- 0.56182	
9	- 0.67916	- 0.33509	- 0.67402	- 0.49329	
10	0.74596	0.75341	0.56019	0.97069	
11	0.11244	0.41139	0.35128	0.11698	
12	- 0.11180	- 0.44378	- 0.19271	- 0.09910	
13	2.47835	3.04648	2.36611	2.45811	
14	1.08986	0.86439	0.67458	0.61473	
15	2.52313	2.97273	4.11975	3.03234	
16	1.17321	1.77035	2.11683	1.83249	
17	- 0.76448	0.18516	- 0.25969	0.12942	
18	2.65257	2.20511	1.72180	1.64538	
19	0.00014	0.00018	0.00030	0.00035	
20	- 0.71042	- 1.56257	- 0.96798	- 0.62917	
21	0.28689	0.38037	0.97564	0.01279	
CONSTANT	-21.21201	-23.72177	-23.58893	-20.44304	
	21.21201			-20.74304	
ELINIATION'		CLASSIFICATION			
FUNCTION GROUP	1	2	3	4	TOTAL
	7	1	3	4	15
2	1	7	1	1	10
3	3	3	18	5	29
4	0	2	2	16	20
т	v	-	-		20

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TABLE 52 DISCRIMINANT ANALYSIS – R.C.U. FUNDING LEVELS

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	MINORITIES	WHITES	
GROUP	1	2	TOTAL
SAMPLE	6	23	29
MEAN SCORES			
1	11.16667	17.43477	
2	7.66667	8.08696	
3	5.50000	2.95652	
4	4.05833	4.15522	
5	0.43333	0.20652	
6	3.33333	2.71739	
7	3.08333	1.91304	
8	3.33333	2.78261	
9	3.33333	3.65217	
10	2.83333	2.69565	
11	3.00000	4.17391	
12	2.83333	2.00000	
13	5.04333	5.00826	
14	2.73000	3.83217	
15	3.98666	4.82130	
16	4.01500	3.76391	
17	3.33333	3.60870	
18	3.50000	2.73913	
19	898.33325	378.43457	
20	1.69167	2.09912	
21	1.16667	1.43478	
*Does	not include those in	"other" classification	
	eralized Mahalanobi		
		. 21, p < .0001	
•			
FUNCTION	1	2	
COEFFICIENT			
1	- 0.20600	0.62604	
2	- 0.79516	- 1.85415	
3	5.29127	- 1.88985	
4	26.29979	13.45496	•
5	6.07137	- 6.59140	
6	3.01355	0.56168	
7	4.08961	2.45071	
8	– 2.67666	0.10406	
9	5.18965	7.42285	
10	0.93933	- 5.68102	
11	- 0.07100	14.88105	
12	- 7.75260	-12.83148	
13	3.00289	6.48774	
14	- 1.19807	- 5.81814	
15	- 2.85073	4.35807	
16	- 7.32387	- 2.24064	
17	5.52600	-15.11925	
18	2.11500	10.90640	
19	0.00146	0.00108	
20	- 7.56655	19.69264	
21	3.82187	6.26914	
CONSTANT	-65.73798	-74.22903	
	01 4001010 4 7101		
FUNCTION	CLASSIFICATIO		
GROUP	•	2	TOTAL
	c	•	-
1 2	6	0	6
۷	0	23	23

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TABLE 53 DISCRIMINANT ANALYSIS - STUDENT CLASSIFICATION (over 50%)

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DISCRIMINANT ANALYSIS – TYPES OF TRAINING (over 50% concentration)

GROUP	TEACHERS	STUDENTS	
SAMPLE	1 19	2 16	TOTAL 35
MEAN SCORES			35
1	12.00000	18.37500	
2	8.15789	6.18750	
3	3.26316	4.31250	
4	3.82631	4.56375	
5	0.54053	0.15625	
6	3.18421	2.56250	
7	2.86842	1.96875	
8	3.26316	2.81250	
9	4.68421	2.87500	
10	3.10526	2.31250	
11	3.21053	4.43750	
12 13	2.42105	2.50000	
13	5.10894 3.42158	4.96062	
15	4.31052	4.13375 4.74999	
16	3.88526	3.67812	
17	3.84210	3.50000	
18	3.78947	2.25000	
19	672.94727	1697.37500	
20	1.96526	2.25062	
21	1.94737	1.25000	
	Generalized Mahalan	obis D ² = 92,19011	
		l.f. 21, p < .001	
FUNCTION	1	2	
COEFFICIENT	•	•	
1	0.78726	0.81976	
ż	- 0.81817	- 0.97260	
3	- 0.36139	- 0.32550	
4	20.86571	20.45409	
5	- 5.51720	- 7.88904	
6	3.13368	3.68335	
7	4.74252	4.68469	
8	0.04150	- 0.70895	
9	1.86123	2.31297	
10 11	0.54702	0.18412	
12	3.34805 	4.98900	
13	4.72185	-10.91530 4.59262	
14	- 0.82189	- 1.28558	
15	- 3.63883	- 2.04769	
16	- 0.99439	- 1.30544	
17	4.74967	- 0.05298	
18	14.27347	11.80378	
19	- 0.00039	0.00011	
20	- 1.50342	2.92002	
21	2.84880	2.57522	
CONSTANT	85.69731	-78.81743	
	CLASSIFICATI(ON MATRIX	
FUNCTION	1	2	TOTAL
GROUP			
1	18	1	19
2	0	16	16

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SUMMARY	MATRIX	OF	HEAVIEST	OISCRIMI

	Length of	POPULAT	TION CONCEN	NTRATION	1	GEOGRAPHI		TY	1	TYPES OF	ACTIVITIES	0 10 VER 50%	x)
VARIABLES	Project 1 2 3	Urban	Suburban	Rural	Under 25,000	25-50,000	50,001- 100,000	Over 100,000	W.S.	Eq. & O.M.		Research	
No. of Years teaching (38) ¹													
Supervision/administrating (3B)			-										1
Non. Ed. Experience (3C)													1
Prime Objective (5)					1.16284		1.27500					1.20976	. /
Unexpected Objective (6)			1.22720				1.80781				1.08162	1.04675	
Factors contributed (7A)							-					•••	
Factors Hindering (78)											•		
Influencing Educational Practices — Building level (8a)	I												
Local Level (8b)	ļ												1
County Level (8c)	ł	1	1.02479							1.34656			1
State Level (8d)	ļ												1
National Level (8e)	,												ļ
X Extent of internal influence (10a)	l				1.74201	1.32199	1.74062	1.17394	1.05687		1.31846		2.419
$\overline{\mathbf{X}}$ Extent of external influence (10b)	1			I									
\overline{X} Satisfaction Generated (13)	!	2.76380	2.53838	2.69663	1.70212	2.65350	2.68391	2.55797		1.72639	1.31341	1.17906	2.237
X Attitude changes (14)	ļ			,	1.26460					3.96730	1.78348		1.711
Ultimate outcomes on targeted Population (15)				1			·		-1.263				
Adequacy of R.C.U. funding (16c)		1.07255		1.09750					18	- 3.12265			2.342
$\overline{\mathbf{X}}$ Per unit cost of project (18)				. 1									
$.\overline{\mathbf{X}}$ Assistance received (20)				1						1.01975 1.06893		1.51336	2.076 1.645
Effectiveness of Voc. Ed. Adv. Council (25b)													
Generali.ed Mahalanobis O ²	42.27		65.06		1	 122.96			<u> </u>	195.98			
Levels of Significance	n.s.	ł	<.01	ļ	1	<.001				< .001			ļ
	1	l			1								

1. Refers to Q-O numbers.

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IX OF HEAVIEST DISCRIMINANT COEFFICIENTS FOUND IN TABLES 47 TO 54

ACTIVITIES	(OVER 50%))	i ,	OTAL FUN	DING LEVEL	s	1	RCU FUN	DING LEVEL	c	1 STU	DENTS	TYPE OF TRAINING	
		Curr.	Under	10,000-	30,001-	Over	Under	5,000 to	10,000-	Over				
Training	Research		10,000	30,000	75,000	75,000	5,000	9,999	50,000	50,000	Minor.	White	Teacher	Students
												-1.85415		
											5.29127	-1.8898		
	1.20976		1.67089	2.17377	1.27772	1.76444	1.01766	1.11312			26.2997	13.4549	20.86571	20.45409
1.08162	1.04675	1.23136	2.5326			-1.43968	-1.03595				6.07137	-6.5914	-5.51720	-7.88904
								-1.05297	-1.16166		3.01355		3.13368	3.68335
•				1.43454	1.12382	1.21200	1.08795	1.20855	1.29126		4.0896	2.45071	4.74252	4.68469
											0.0300			
								1.08218			-2.6766			
											5.18965	7.42285	1.86123	2.31297
			1.16564		1.01228	1.18659						-5.68102		
e.												14.88105	3.34805	4.98900
											-7.75260	-12.83148	-11.71726	-10.91530
1.31846		2.41935	3.69866	2.28413	2.29518	3.02631	2.47835	3.04648	2.36611	2.45811	3.00289	6.48774	4.72185	4.59262
											-1.19807	-5.81814	Ì	-1.28558
1.31341	1.17906	2.23790	1.49984	2.44242	2.07889	1.50090	2.52313	2.97273	4.11975	3.03234	-2.85073	4.35807	-3.63883	-2.04769
1.78348		1.711858			1.33447	1.1211	1.7321	1.77035	2.11683	1.83249	-7.32387	-?.74064		-1.30544
		2.34299									5 52500	-15.11925	4 74067	
		2.04255									5.52000	*15.11925	4.74967	
	1.51336	2.07695	2.72860	2.28599	1.79853	1.94831	2.65257	2.20511	1.72180	1.64138	2.11500	10.9064	14.2734	11.80378
		1.64529	1.15369			1.36902		-1.56757			-7.56655	19.69264	-1.50342	2.92002
											3.82187	6.26914	2 94990	2.57522
										_	3.0210/	0.20914	2.84880	2.3/322
			1	23.29				88.29			233.54		92.19	
				<.001				<.025			<.0001		<.001	
		1					1				l		I	

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CHAPTER 6

RELATIONSHIPS

Relationships

Initially, zero-order Pearson Product Moment Correlations were calculated to assist relationships that might exist between selected variables. A correlation matrix is found in Table 56.

TABLE 56

CORRELATION MATRIX OR SELECTED VARIABLES

	Length of	Meeting	Total	R.C.U.
	Project	Prime Obj.	Funding	Funding
Length of Project Meeting Prime Objectives Total Funding R.C.U. Funding	1.0000	-0.0109 1.0000	0.0554 -0.0405 1.0000	0.2292 -0.0191 0.7305b 1.0000

a. p < .01 d.f. 96 b. p < .01 d.f. 96

Only one correlation reached a level of significance.

The relationship between R.C.U. funding and total funding (r = .7305) reached a highly significant level (p < .01). The amount of variance accounted for was 53.4%. This variance is quite significant in terms of educational importance. It should be noted that the two variables (R.C.U. and Total funding) are not independent of each other. R.C.U. funding is a part of the total funding. Hence a large amount of R.C.U. funding will also contribute to a large total funding figure.

It would appear that meeting project objectives is independent of length of project and amounts of funding. Initially, the argument that more time and/or more money will increase the probability of meeting goals appears not to be valid. Further analyses had been run to test this and will be discussed later. Other factors, besides time and money, must be given consideration when assessing prospective proposals. This puts an additional burden on the funding agency when considering proposals, since length of projects and level of funding are relatively easy factors to identify, while other factors are more difficult to identify and assess.

Because of the significant relationship between total funds expended and R.C.U. funding, and the fact that they are not independent of each other, R.C.U. funding will be used in further analyses as either independent or dependent variables. When used, total funding figures will be used as classification variables.

A correlation matrix (Table 57) was developed to display the zero-order Pearson Product Moment Correlations that were calculated on selected variables. The purpose of the Table is to give the reader an overview of relationships among variables. The reader should be cautioned that these are zero-order correlations and do not account for any linear relationships.

A review of the data in Table 57 indicates that there are 52 correlations that reached the .05 significance level (92d.f.), 123 correlations reached the .01 level of significance but were not underlined, and an additional 43 correlations that were significant (<.01 level) and accounted for at least 25% of the variance. It is interesting to note that the relationship between satisfaction generated by the project in the school system and satisfaction generated in school building personnel was quite high (r = 0.8439); however, the amount of variance was only 70.47%. This was the highest correlation generated from this data. In all, 218 significant correlations were found. Of these, most were relationships within areas that would naturally generate significant correlations (e.g. - Table 57, degree of influence in educational practices (4) x (5) = .6831; (4) x (6) = .7230; (6) x (5) = .6398 - all three variables are within the same construct). Variables concerned with attitudes, influencing educational practices, and satisfaction appear to be significantly related.

In order to get a better picture of relationships and how variables affect specific results in this study, multiple regression analyses were performed utilizing the BMD 03R computer program by W. T. Dixon. The listing of the variables used as either dependent or independent variables are found in Table 58. The data was analyzed for the: total group; size of the community served; type of community served (rural, suburban, urban); type of training (teacher, students). Because of the limitations of the computer program and of the data available, other regression analyses were not performed.

As a result of the volume of data produced, summary tables will appear in this chapter. The actual tables displaying the results of the analyses appear in Appendix C of this report.

Total Group (Table 59)

Table 59 is a summary of the regression analyses performed on all the data in this study. It is apparent from the analyses, that the amount of variance (out of 100%) accounted for by the various independent variables listed in Table 58 never rises above 38.36%. Four regressions did not reach levels of significance, therefore it would not be safe to use the results from the four in prediction.

It would appear that the degree of internal and external influence on decision making would be good predictors in this study. This is particularly true when the dependent variables are influencing educational policies, objectives, and satisfaction generated. Factors related to funding are good predictors of attitude change, as related to: purpose or thrust; vocational education; education in general; and the world of work. One might conclude that internal and external influences are more philosophical in nature and affect those areas related to philosophy (e.g. - goals, objectives, satisfaction). It is also possible that internal and external influences have more immediate effect, and that in most cases the goals of projects are also

TABLE 57 CORRELATION MATRIX OF SELECTED

			Meeting		INFL	UENCING ED	UCATIONAL	PRACTICES	AT:	Mean	Mean		SATIS	FACTION GE	NERATED E	Y THE PRO	JECT
		Length of Project	Prime Objectives	Unexpected Outcomes	Building Level	Local Community	County/ Intermediate	State	National	Internal	External	Trainees	Staff	School Bidg. Personnel	School System	County System	R.C.U.
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	(1)	1.0000	0.0109	0.1736	0.1771	0.1744	0.1566	0.1181	0.1372	0.0978	0.1278	0.1377	0.1020	-0.0677	-0.0599	0.0765	0.0948
•	(2)		1.0000	-0.0437	0.0772	0.0284	-0.0678	0.1911	0.0789	0.3973**	0.1719	0.3035**	0.2325	0.2328°	0.2819**	0.1871	0.2324*
	(3)			1.0000	0.1883	0.1800	0.3019**	0.1977	0.3000**	0.1558		-0.0038	-0.0967	-0.2041	0.1558	-0.0742	-0.0397
	(4)				1.0000	0.6831**	0.7230**	0.3124**	0.5582**	0.1613	0.4621**	0.1791	0.1259	0.1945	0.2419*	0.1242	
	(5)					1.0000	0.6398**	0.1115	0.4670**	0.1984	0.4091**	0.2060*	0.0836	-0.0166			0.1855
	(6)						1.0000	0.4479**	0.5471**	0.0115	0.3769**	0.2000	0.0506		0.0127	-0.0448	0.1337
	(7)							1.0000	0.5213**	0.1704	0.3590**			0.0067	0.0307	0.0111	0.1609
	(8)							1.0000	1.0000			0.1407	0.2510*	0.1163	0.1674	0.2295*	0.3573**
	(9)								1.0000	0.0357	0.2896**		-0.0258	0.0213	0.1455	0.1049	0.2908*1
	(10)									1.0000	0.4374**	0.2713**	0.2291	0.1984	0.2334*	0.1253	0.2234**
	(11)										1.0000	0.1978	0.2772**	0.3455**	0.4248**	0.2171*	0.4118**
	(12)											1.0000	0.7252**	0.5364**	0.5324**	0.3 148**	0.3355**
	(13)												1.0000	0.5842**	0.5686**	0.4 105 * *	0.3501**
÷ .														1.0000	0.8439**	0.5865**	0.4080**
1	(14)														1.0000	0.5381**	0.4759**
	(15)															1.0000	0.5379**
	(16)																1.0000
	(17)																
	(18)																
((19)																
: 1	(20)																

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°p<.05, d.f. 92

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(26) (27) (28)

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(28) (29) (30)

(21)

(22) (23) (24) (25)

• p<.01, d.f. 92

Correlations that generate over 25% of the variance are in **bold type**.

TABLE 57 TION MATRIX OF SELECTED VARIABLES

School	County		Dept. of	CHANGES IN ATTITUOES OF THOSE WHO PARTICIPATEO Purpose Ed. In The World Others Others			Outcome	Adequacy		Mean	Effectiveness					
System	System	R.C.U.	Ed.	Or Thrust	Voc. Ed.	Ed. In General	The World Of Work	Themselves	Others (Peers)	Others (Non-Peers)	Targeted Population	R.C.U. Funding	of R.C.U. Funding	Per Unit Cost	Assistance Received	of Voc. Ed. Adv. Council
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
0.0599	0.0765	0.0948	0.1368	0.2096*	0.0656	0.1302	0.1963	0.1859	0.1875	0.2027*	0.1507	0.2292*	0.0869	0.0228	0.1440	0.2871**
0.2819**	0.1871	0.2324*	0.2132*	0.0828	0.0459	0.0783	0.1180	0.3354**	0.1785	0.1506	0.3720**	-0.0191	-0.0075	0.0876	0.3250**	0.0060
0.1558	-0.0742	-0.0397	-0.0895	0.1979	0.1877	0.2581*	0.3825**	0.2042°	0.2678**	0.2591*	0.0416	0.1523	0.1444	-0.0187	0.1803	0.1294
). 2419*	0.1242	0.1855	0.0959	0.2878**	0.4106**	0.4945**	0.5745**	0.2754**	0.6110**	0.5716**	0.3092**	0.2165*	0.2343	0.1225	0.2940**	0.4239**
0.0127	-0.0448	0.1337	0.1400	0.4477**	0.5042**	0.5611°*	0.6348**	0.3603**	0.5673**	0.5091**	0.3691**	0.1752	0.3538**	-0.0727	0.2913**	0.4513**
0.0307	0.0111	0.1609	0.0492	0.1751	0.2753**	0.3229**	0.4254**	0.1499	0.4193**	0.2978**	0.2042*	0.1647	0.1854	0.0376	0.2104	0.2567*
). 1674	0.2295*	0.3573**	0.3307**	-0.0155	-0.1371	0.0623	0.1562	0.3341**	0.1080	0.0479	0.3321**	0.0245	-0.0801	-0.0134	0.0738	0.0732
).1455	0.1049	0.2908**	0.1949	0.2958**	0.3420**	0.4420**	0.3944 **	0.1797	0.4253**	0.3881**	0.1773	0.1492	0.2784**	-0.0406	0.2494	0.2179°
).2334*	0.1253	0.2234**	0.2208*	0.0762	0.1199	0.1937	0.1804	0.3799**	0.1097	0.1403	0.3385**	0.0500	0.0364	-0.0565	0.1649	0.1707
).4248**	0.2171	0.4118**	0.3671**	0.1161	0.0822	0.2741**	0.2844**	0.3321**	0.4313**	0.3559**	0.3382**	0.0332	0.0082	0.0340	0.2710**	0.2929**
).5324**	0.3148**	0.3355**	0.2420*	0.3006**	0.3175**	0.3009**	0.4081**	0.6072**	0.4027**	0.3566**	0.4482**	0.1548	0.0145	-0.1951	0.2346*	0.0896
0.5686**	0.4105**	0.3501**	0.4082**	0.1667	0.1540	0.1566	0.1765	0.5292**	0.2781**	0.2520*	0.4139**	0.1569	0.0498	-0.1102	0.2057*	0.1047
.8439**	0.5865**	0.4080**	0.3503**	0.0607	0.1090	0.1894	0.0789	0.3405**	0.2915**	0.2499*	0.2297*	0.0628	-0.1415	0.0200	0.0760	-0.1398
.0000	0.5381**	0.4759**	0.4194**	0.0160	0.1497	0.2421*	0.0875	0.3481**	0.3459**	0.2734**	0.2894**	0.0662	-0.0787	-0.0370	0.1964	-0.0759
	1.0000	0.5379**	0.5352**	0.0916	-0.0103	0.0523	0.0447	0.2496°	0.3183**	0.3552**	0.0945	-0.0092	-0.0888	0.1052	-0.1221	-0.0577
		1.0000		-0.0825	-0.0686	-0.0111	0.0918	0.2393°	0.2120*	0.2583*	0.2172°	0.0213	-0.1340	0.0601	0.0740	0.0609
			1.0000	0.0542	-0.0299	0.0145	0.1762	0.2751**	0.2051*	0.2220*	0.1942	0.0810	0.0261	0.0419	0.0913	0.0488
				1.0000	0.6910**	0.7569**	0.6165**	0.3342**	0.5948**	0.4837**	0.2765**	0.2283	0.3899**	-0.1419	0.3192**	0.3523**
					1.0000	0.7504**	0.6043**	0.2837**	0.5419**	0.4949**	0.1556	0.2298	0.3989**	-0.2636	0.3956**	0.3048**
						1.0000	0.7138**	0.4779**	0.6948**	0.5795**	0.2506*	0.2773**	0.3187**	-0.2410	0.2994**	0.2971**
							1.0000	0.6035**	0.6943**	0.5991**	0.2493*	0.3044**	0.2960**	-0.1129	0.2927**	0.3890**
								1.0000	0.5681**	0.4845**	0.5039**	0.2119	0.0115	-0.1641	0.2645**	0.1295
									1.0000	0.8179**	0.2424	0.2193	0.2888**	-0.0945	0.3079**	0.2409
										1.0000	0.1916	0.2315	0.2530	0.1128	0.3031**	0.2851**
											1.0000	0.1701	0.0349	0.0686	0.3988**	0.2247 •
												1.0000	0.2200	0.0478	0.1456	0.0073
													1.0000	0.0407	0.3684 **	0.2818**
				-										1.0000	-0.0382	0.0756
															1.0000	0.4454**
																1.0000

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LISTING OF VARIABLES UTILIZED IN THE MULTIPLE REGRESSION ANALYSIS

Variables (1) ¹ or (D) ²	ଢ- ୦
Length of Project (I)	
X of Prime objectives (D)	5
X of Unexpected outcomes (D)	6
Influence Educational Practices in:	8
Building or neighborhood (D)	a
Local Community and/or district (D)	b
County/Intermediate Unit (D)	c
State (D)	d
National (D)	e
Internal influence (I)	10A
External influence (I)	10B
atisfaction Generated in:	13
Trainee (D)	a
Participants other than trainees (D)	b
School Building Personnel (D)	с
School System (D)	d
County System/Intermediate Unit (D)	е
R. C. U. (D)	f
State Department of Ed. (other than R.C.U.) (D)	g
hanges in Attitude towards:	14
Purpose or thrust (D)	a
Vocational Education in General (D)	b
Education in General (D)	С
The World of Work (D)	d
Themselves (D)	е
Others (peers) (D)	f
Others (non-peers) (D)	g
ltimate Effects on Targeted Populations (D)	15
.C.U. Funding (I)	16B
dequacy of R.C.U. Funding (I)	16C
er Unit Cost (I)	18
Assistance Received (I)	20
ffectiveness of Voc. Ed. Advisory Council (I)	25B

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1 (I) = independent or predictor variable

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 2 (D) = dependent or predicted variable

SUMMARY OF MULTIPLE REGRESSION ANALYSES FOR TOTAL GROUP

Dependent Variable	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for
X Prime Objectives	\overline{X} Internal Influence (. 09468) \overline{X} Assistance Received (. 10142)	24. 19
X Unexpected Outcomes	_ 	n. s.
Influencing Educational Practices - Building Level	X External Influence (. 17804) Effectiveness of Voc. Ed. Adv. Council (. 05212)	36.64
- Local Community	X External Influence (. 11918) Adequacy of R. C. U. Funding (. 10199) Effectiveness of Voc. Ed. Adv. Council (. 06747)	38.36
- County Level	$\overline{\mathbf{X}}$ External Influence (. 16043)	23.83
- State Level		n. s.
- National Level	X External Influence (. 08596) Adequacy of R. C. U. Funding (. 06350)	19.60
Satisfaction Generated - Trainees	X Internal Influence (. 06712) (Negative) Per Unit Cost (. 03742)	17.19
- Participants other than trainces		n. s.
- School Building Personnel	X External Influence (.08845) Effectiveness of Voc. Ed. Adv. Council (.04733)	21. 53
- School System	X Internal Influence (. 05780) X External Influence (1. 3576)	27.53
- County System		
R. C. U.	\overline{X} Internal Influence (.04631) \overline{X} External Influence (.11822)	19.99
State Dept. of Ed. (other than R.C.U.)	X Internal Influence (. 04343) X External Influence (. 08475)	15.92
Attitude Changes		
- Purpose or Thrust	Length of Project (. 04394) Adequacy of R.C.U. Funding (. 11720)	28.56
- Voc. Ed. in General	Adequacy of R.C.U. Funding (. 12600) (Negative) Per Unit Cost (. 08030) X Assistance Received (. 05115)	34.79

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Dependent Variable	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for
Attitude Changes (cont'd)		
- Education in General	R. C. U. Funding (. 06299) Adequacy of R. C. U. Funding (. 06810) (Negative) Per Unit Cost (. 07153)	32.30
- World of Work	R.C.U. Funding (.06964) Adequacy of R.C.U. Funding (.05278) Effectiveness of Voc. Ed. Advisory Council (.05785)	31.81
- Themselves	$\overline{\mathbf{X}}$ Internal Influence (. 13211)	27.63
- Others (peers)	X External Influences (. 16916) Adequacy of R.C.U. Funding (. 06037)	33.11
- Others (non-peers)	$\overline{\mathbf{X}}$ External Influence (. 09667)	27.01
- Effects on Targeted Population	$\overline{\mathbf{X}}$ Internal Influence (. 10685) $\overline{\mathbf{X}}$ Assistance Received	29.06

TABLE 59 (continued)

more immediate in nature; while attitudes might be more difficult to alter, and that such alterations take time and money.

The effectiveness of Vocational Education Advisory Councils appears to manifest itself - particularly with regards to influencing educational practices. The adequacy of R. C. U. funding also appears to be a general predictor across the variables.

Summary

The degree of internal and external influences on project directors' decisions are good predictors on the dependent variables used in this study. Funding factors also appear to be good predictors (adequacy of R. C. U. funding, R. C. U. funding, per unit costs). Assistance received and the effectiveness of Vocational Education Council are also important factors when studying the total group.

Size of the Community Served

Projects were divided by the size of the community served (less than 25,000, 25-50,000, 50-75,000, over 75,000). The intent of the following analyses was to determine whether projects serving different size communities had selected variables, affecting (in this case predicting) the outcomes of the projects (refer to

Table 58). It was hoped that independent (predictors) variables could be identified. Only multiple regression analyses that reach the .05 or above level will be reported; all the analyses can be found in Appendix C.

Less than 25,000 (Table 60)

The variables that best predict outcomes for this group appear to be: the degree of internal and external influence on project directors decisions, per unit costs (negatively), effectiveness of the Vocational Education Advisory Councils, and length of the project. It also appears that these predictors are rather strong. The total percents of variance accounted for in the significant regressions were very high (92.60% - 99.37%) and hence the relationships appear to be quite meaningful. The strongest (or most powerful) are the internal and external influence variables. Thus predicting the degree of meeting goals, influencing educational practices at the building level, satisfaction generated in trainees, and changing attitudes were influenced most (in terms of the variables used) by internal and external influences on director's decisions.

25,000 - 50,000 (Table 61)

Only four dependent variables could be significantly predicted by the other variables used in the analyses - they were: satisfaction of trainees; satisfaction in county/intermediate unit; change in attitude about vocational education; and ultimate effects in targeted population. Factors related to R. C. U. funding appear to be the most frequent important predictors, however, adequacy of R. C. U. funding had a negative effect. It is interesting to note that internal influence on project director's decisions appeared to be the most significant factor on reaching the ultimate goals of targeted populations. Again the amount of variance accounted for was extremely high (93.28 - 99.11).

50,000 - 100,000 (Table 62)

In the two cases where the variables could be predicted, the factors were the same and accounted for almost the same amount of variance. It also appears that adequacy of R. C. U. funding and \overline{X} assistance received, has almost equal weights for predicting changing attitudes. What is interesting is that they had opposite effects (positive for purpose or thrust, negative for education in general). Thus it appears that the adequacy of R. C. U. funding and assistance received are positive forces in changing attitudes towards purpose or thrust of the project, and they are negative forces in changing attitudes towards education in general. The total amounts of variance accounted for was not as high for the 50,000 - 100,000 group, as the variances accounted for within the other two population groups.

SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS LESS THAN 25,000

Dependent Variable	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for
$\overline{\mathbf{X}}$ Prime Objectives	X Internal Influence (.54449) (Negative) Effectiveness of Voc. Ed. Advisory Council (.28798)	92.60
Influencing Educational Practices - Building Level	X External Influence (.50794) Effectiveness of Voc. Ed. Adv. Councils (.17737)	93.58
<u>Satisfaction Generated In</u> - Trainees	\overline{X} External Influence (.27396) Adequacy of R. C. U. Funding (.16721) (Negative) Per Unit Cost (.32416) \overline{X} Assistance received (.10188)	96.52
Changes in Attitudes - The World of Work	(Negative) X Internal Influence (. 12374) X External Influence (. 37483) (Negative) Per Unit Costs (. 29986)	99.37
- Themselves	X External Influence (.35178) (Negative) Per Unit Costs (.44781)	99.02
- Others (peers)	Length of Project (. 123121) X External Influence (. 306791) (Negative) Per Unit Costs (. 39105)	97.07
- Others (non-peers)	Length of Project (. 123121) X External Influence (. 306791) (Negative) Per Unit Costs (. 39105)	97.07

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SUMMARY OF MULTIPLE REGRESSION ANALYSIS REACHING SIGNIFICANT LEVELS 25,000 - 50,000

Dependent Variables	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for
Satisfaction Generated in Participants (other than trainees)	R.C.U. funding (. 14021) (Negative) Adequacy of R.C.U. Funding (.53509) X Assistance received (.20815)	93.28
County System/Inter- mediate Unit	 (Negative) X External Inf. (.35023) (Negative) Adequacy of R.C.U. Funding (.15802) (Negative) X Assistance Received (.21643) Effectiveness of Voc. Ed. Advisory Council (.17968) 	97.32
<u>Changes in Attitude</u> Voc. Ed. in General	 (Negative) Length of Project (.2776) R. C. U. Funding (. 22619) (Negative) Adequacy of R. C. U. Funding (. 18358) Per Unit Costs (. 14563) 	94. 78
Ultimate Effects on Targeted Population	\overline{X} Internal Influence (.37994) (Negative) \overline{X} External Influence (.11480) (Negative) Adequacy of R. C. U. Funding (.16959) Per Unit Cost (.11766) \overline{X} Assistance Received (.16769)	99.11

TABLE 62

SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS 50,000 - 100,000

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Dependent Variable	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for		
<u>Changes in Attitudes:</u> Purpose or Thrust	Adequacy of R. C. U. Funding (.20784) X Assistance Received (.24344)	71.49		
Education in General	(Negative) Adequacy of R.C.U. Funding (.20784) (Negative) X Assistance Received (.24344	61.20		

Over 100, 000 (Table 63)

R.C.U. funding factors appear to be the best predictors for this group of projects. Internal influence (mostly negative) and external influence are next largest predictors. Assistance received during the projects is also a significant variable to be considered. Although the R.C.U. funding variables appear throughout the analyses, they appear to be particularly strong in the areas of changing attitudes towards selected stimuli.

It should be noted that internal influence was the strongest (and positive) factor in predicting the ultimate effects of the program on targeted populations. Adequacy of R. C. U. funding and assistance received also played a major role. The amount of variances accounted for in this group is less than the other three groups. Actually the figures (percent of variance accounted for) for the "over 100,000" group approach those for the total group (refer to Table 59). This might be caused by the fact that 41 projects fell into that group, while 23 were in the "50-100,000," 13 in the \$25-50,000," and another 13 in the "under-25,000" group. Thus the "over 100,000" is the case, then the "over 100,000" group becomes even more significant in this study.

Summary

Although more variables could be predicted in the "over 100,000" group, the smallest two groups had factors that were almost totally accounted for by the variables used as predictors. This would indicate that when variables did have an effect, for those in the two lower population size groups, the effect or influence was quite strong. The number of significant regressions might be a function of the size of each group - with the "over 100,000" having so many more than the others, thus its data would generate more significant regressions because the degrees of freedom are greater. It is also possible that the variables used as predictors in this study were more influential with the projects serving 100,000 and over communities than those serving smaller communities.

It is apparent that the influence from internal and external sources are quite important when looking at them in combination. The most significant (in terms of numbers) factors are those related to R. C. U. funding - with the rating of the adequacy of R. C. U. funding being the largest factor. Assistance received from various sources also appears to be quite important. It also appears that R. C. U. funding is more important in attitude changing than in other areas. This effect appears to exist in all groups except the "under 25,000." In fact, the lowest group appears to be more affected by internal and external factors than by anything else. Per unit costs tend to have a negative effect on the predicted variables, while the effectiveness of Vocational Education Advisory Councils and length of the programs have isolated effect.

Type of Community Served (Urban, Suburban, Rural)

Projects were then broken down into three groups (urban, suburban, and rural), and the data was reanalyzed utilizing the regression analyses approach as

SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS OVER 100,000

Dependent Variables	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for		
$\overline{\mathbf{X}}$ Prime Objectives	X Internal Influence (. 18486)	45.05		
Influencing Educational Practices - Building Level	\overline{X} External Influence (. 13942) R. C. U. funding (. 14037) Adequacy of R. C. U. funding (. 10080	48.36		
- County/Intermediate Unit	Adequacy of R. C. U. funding (. 20986)	42.52		
- National Level	Adequacy of R.C.U. funding (.22505)	45.83		
Satisfaction Generated In: - Trainees	\overline{X} Internal Influence (. 11491) Adequacy of R. C. U. funding (. 11631)	39.99		
- Participants (Other than trainees)	$\overline{\mathbf{X}}$ Assistance Received (. 11291)	43.22		
- School Building Personnel	(Negative) \overline{X} Internal Influence (. 11057) \overline{X} External Influence (. 15107)	40.09		
- School System	(Negative) X Internal Influence (. 12207) X External Influence (. 19599) X Assistance Received (. 12667)	47.74		
- County System/ Intermediate Unit	$\overline{\mathbf{X}}$ Assistance Received (. 16842)	40.73		
- R. C. U.	(Negative) X Internal Inf. (. 14674) X External Influence (. 18947) X Assistance Received (. 16673)	56.83		
- State Dept. of Education (Other than R. C. U.)	X Internal Influence (. 14400) X External Influence (. 13446) X Assistance Received (. 14441)	45. 03		
<u>Changes in Attitude</u> <u>Towards:</u> - Purpose or Thrust	Adequacy of R.C.U. funding (.32861) \overline{X} Assistance Received (.16057)	62. 09		

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TABLE 63 (continued)

Dependent Variables	Independent Variable Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for	
<u>Changes in Attitude</u> <u>Towards</u> : - Voc. Ed. in General	R.C.U. funding (.11319) Adequacy of R.C.U. funding (.28535)	54.37	
- Education in General	R.C.U. funding (.10913) Adequacy of R.C.U. funding (.16341) X Assistance Received (.19618)	70.35	
- The World of Work	R.C.U. funding (.11108) Adequacy of R.C.U. funding (.20407)	49.77	
- Themselves	X Internal Influence (. 37232)	53.88	
- Others (peers)	X External Influence (.24253) R.C.U. funding (.10631) Adequacy of R.C.U. funding (.11928)	57.21	
- Others (non-peers)	X External Influence (. 13843) R.C.U. funding (. 10946) Adequacy of R.C.U. funding (. 1661)	57.16	
- Ultimate Effects on Targeted Population	X Internal Influences (. 264271) Adequacy of R.C.U. funding (. 11145) X Assistance Received (. 19570)	66.72	

described before. There were 31 projects in the urban group, 20 in the suburban group, and 29 in the combined rural group. Appalachia and non-Appalachia were merged to increase the sample size for analyses purposes.

Urban (Table 64)

Satisfaction and attitude variables were the ones that could best be predicted in this group. The adequacy of R. C. U. funding appears to be consistently the best and most reliable predictor of outcomes. Internal influence was the next largest predictor. Per unit costs again had negative effects. The degree of R. C. U. funding appeared to be most influential with attitude changes, while internal influence had its effects on satisfaction generated by projects, and ultimate effects of the projects on targeted population. The amounts of variance accounted for appears to be quite high, although the range is quite wide (47.56 to 90.02).

SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS URBAN

Dependent Variables	Independent Variables Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for
<u> Bractices</u> - Building Level	R.C.U. funding (. 13458) Adequacy of R.C.U. funding (. 30123) X Assistant Received (. 14055)	76.66
- Local Level	Adequacy of R. C. U. funding (. 40648)	72.54
<u>Satisfaction Generated In</u> : - Trainee	X Internal Influence (. 24346) (Negative) Per Unit Costs (. 17814)	50.48
- Participants (other than Trainee)	$\overline{\mathbf{X}}$ Internal Influence (.34622)	48.43
<u>Changes in Attitude</u> <u>Towards</u> : - Purpose or Thrust	Adequacy of R. C. U. funding (. 39690)	65.92
- Voc. Ed. in General	Adequacy of R. C. U. funding (.58068)	83.73
- Education in General	Adequacy of R. C. U. funding (. 55140)	83.69
- The World of Work	R.C.U. funding (.11075) Adequacy of R.C.U. funding (.65097)	90.02
- Themselves	X Internal Influence (. 35402) (Negative) Per Unit Costs (. 25214)	69.67
- Others (peers)	Adequacy of R. C. U. funding (. 53177)	75.36
- Others (non-peers)	Adequacy of R. C. U. funding (. 42304)	74.09
- Ultimate Effects on Targeted Population	$\overline{\mathbf{X}}$ Internal Influence (. 29552)	47.56

Suburban (Table 65)

For all four variables that can be predicted, length of the project, internal influence (either positive or negative), and assistance received appear to be the most influential. Factors concerned with influencing educational practices and ultimate effects were influenced by the three variables just listed. Much of the four variables' variances appeared to be accounted for by the independent factors in the analysis (variances accounted for ranged from 72.46 to 82.59) quite evenly.

Rural (Table 66)

It appears that the amount of external influence has an effect on rural projects as it relates to influencing educational policies at the building, local, and county levels. This appears to be particularly true at the local (district) level. Attitudes towards vocational education appear to be affected by the length of the projects and assistance received by the project directors. These independent factors also appear to be quite strong in the prediction model.

TABLE 65

Dependent Variables	Independent Variables Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for	
Influencing Educational Practices - Building Level	Length of Project (. 28267) \overline{X} Internal Influence (. 26987) \overline{X} Assistance Received (. 20407)	82. 59	
- Local Community	Length of Prcject (. 13858) (Negative) X Internal Inf. (.21218) X Assistance Received (. 24673)	73.23	
- County Level	Length of Project (. 18014) (Negative) X Internal Inf. (. 15327) X Assistance Received (. 26951)	72.46	
- Ultimate Effects in Targeted Population	Length of Project (. 20614) \overline{X} Internal Influence (. 27783) \overline{X} Assistance Received (. 13190)	76.89	

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SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS SUBURBAN

SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS RURAL

Dependent Variables	Independent Variables Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for	
Influencing Educational Practices - Building	$\overline{\mathbf{X}}$ External influence (.41576)	55.80	
- Local Community	$\overline{\mathbf{X}}$ External influence (.78176)	82.10	
- County Level	$\overline{\mathbf{X}}$ External influence (.43789)	57.51	
<u>Changes in Attitude</u> <u>Towards:</u> - Voc. Ed. in General	Length of Project (. 33939) X Assistance Received (. 10880)	66.71	

Summary

The results indicate that projects in urban communities are more sensitive to the effects of the selected variables, used in this study, than are projects from either rural or suburban communities. These results are in keeping with the results found when comparing projects according to the size of community served – since urban communities also tend to be large in population.

Internal influence appears to be quite important to urban and suburban projects, while external influence is only important to rural projects. R.C.U. funding appears to be only a factor to urban projects, while assistance received appears to be a significant factor to the suburban group. Length of the project also appears to be influential within the suburban projects. Across all groups, internal and external influence and R.C.U. funding appear to be factors in predicting outcomes; but as just indicated, these factors have different effects on the different groups.

Types of Training

All training programs that dealt primarily (over 50%) with students, and those that dealt primarily with teachers were analyzed. Since few programs dealt with "adults," these programs were not considered in the analyses. There were 19 programs that trained / educated teachers / other professionals, and 16 programs that trained students.

Teachers/Other Professionals (Table 67)

The independent variables used in the analyses were only effective in predicting outcomes for those variables concerned with influencing educational practices (building, county, state). Again internal and external factors played a major role, however, the effectiveness of vocational education advisory councils were the most significant. It would appear that there is a strong relationship among training teachers, the Advisory Councils, and influencing educational practices. The responses to question Q-O#8 (incluencing educational practices) might have been answered in terms of vocational education. Thus the influences at the county/intermediate unit and state levels might be directed towards vocational education teaching, while the local or district level implies non-vocational education practices. Hence, directors responding to the question felt their projects' influence was being felt only in vocational education domains closest to them (this would be particularly relevent to training programs).

TABLE 67

SUMMARY OF MULTIPLE REGRESSION ANALYSES REACHING SIGNIFICANT LEVELS TEACHERS/OTHER PROFESSIONALS

Dependent Variable	Independent Variables Contributing the largest amount of the Variance Accounted for	Per Cent of the Variance Accounted for
Influencing Educational Practices - Building Level	\overline{X} External Influence (. 10043) R. C. U. funding (. 16023) Effectiveness of the Voc. Ed. Advisory Councils (. 40373)	78.07
- County Level	(Negative) X Internal Influence (. 18457) Effectiveness of the Voc. Ed. Advisory Councils (. 39230)	74.16
- State	X External Influence (.24056) Effectiveness of the Voc. Ed. Advisory Councils (.29045)	77.43

Students

Although several regression analyses approached levels of significance, none did – hence they are not being reported in this chapter. The actual analyses appears in Appendix C.

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It is obvious that the independent variables were not strong enough to predict, beyond the chance level, the dependent variables for those programs dealing primarily with students. This appears to be in keeping with the results of the discriminant analyses, where so many factors sensitized the training groups, thus it would be difficult to isolate any one, or group of factors.

Chapter Summary

The purpose or function of this chapter was to look at meaningful relationships that might exist among the variables. It also had another important thrust, and that was to look at selected variables, in linear relationship with each other, that could be used in predicting effects.

Since the unit of analysis was the project, sample size per cell of analyses became a limiting factor. This required merging of groups to enable analysis, and at times analysis that might have been of interest could not be attempted.

Initially there were many statistically significant relationships among the variables - very few might be considered educationally significant (e.g., high correlations). Factors within the same family of variables appeared to be related. There also appeared to be relationships among changing attitudes, influencing educational practices, and satisfaction generated by the projects. To get a more accurate picture of how selected variables interrelated and functioned within specific groups of projects, a multiple regression analyses approach was used. To be consistent, the same set of variables was used as independent factors on twenty-two different dependent variables. The goal of the many analyses was to identify those variables of interest that might consistently play a role in determining outcomes.

Within groupings there were many differences in the ability of variables to be good predictors. However, there did appear to exist important and consistent relationships.

Within the "total" group, R. C. U. funding variables (R. C. U. funding and adequacy of R.C.U. funding) had a significant effect on changing attitudes (the relationships were positive). Although it would be difficult to prove at this point, it does appear that more R.C.U. funding (which should raise the level of adequacy) would have a positive effect on attitude changes. Internal and external influences in decision making, plus Advisory Councils, appear to influence educational practices outside the projects (e.g. the ripple effect on other areas). This information recognizes the interrelationship of other factors on projects. Thus it would appear that project directors desiring to have an effect in education should recognize and utilize these factors. It would also seem desirous to have such factors built into proposals. Directors should be sensitive enough to use these factors constructively, otherwise they might be limiting the projects' effects and effectiveness.

When the projects were broken down according to the size of community served, types of communities, and types of programs, differences did appear. A complete description preceded this summary and will not be covered again, however, we will discuss the major findings.

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Again <u>R.C.U. funding</u> variables appear to be a <u>major influence</u> on outcomes when the total group was broken down by size of community served. R.C.U. funding variables appear to have the greatest effect on attitudes. <u>Internal and external</u> influence factors were also important - they were particularly strong in projects serving the smallest size communities. <u>Assistance received</u> from various sources was also influential. Projects serving the largest size communities appear to be more sensitive to the variables studied. It does appear that variables within the domains of <u>satisfaction generated by the projects</u> and <u>attitude changes</u> can be predicted, and hence are related to the input data studied.

The degree of <u>R. C. U. funding</u> appears to affect attitudes and influence educational practices of the projects in urban communities. This effect was not apparent at the suburban and rural levels. <u>Length of projects, internal influences</u>, and <u>assistance received</u> were the strongest factors at the suburban level. External influences were important at the rural level. Projects in urban communities appear to be more sensitive to the variables studied, than projects in either the suburban and rural area. Therefore, proposals from urban communities should consider this fact in their designs.

As stated earlier, external influence played a major role in rural projects. Whether this is a function of smaller projects, the less complex organizational structure usually found in rural communities, the nature of vocational programs geared to rural communities, or closer "power" lines, is rather moot. However, the lines of external communication must be considered when looking at projects in rural communities. The ability of suburban projects to influence educational practices (ripple effect) appears to be affected by the length of the project, assistance received, and negatively by internal influence. Thus longer projects that received outside support influenced some educational practices within this group, Internal influences had a negative effect, thus as the internal influence decreased, the ripple effect increased. One could conclude that internal influence interferred with extending the influence of projects.

Programs concerned with training/educating teachers were affected by internal and external influences and the effectiveness of Vocational Education Advisory Councils on influencing educational practices. Given that, training programs for teachers would hopefully influence educational practices, this information is extremely critical. Designing of such programs should therefore be cognizant of these relationships; or when evaluating such programs, these factors should be considered.

Length of projects, internal and external influence, R. C. U. funding, adequacy of such funding, per unit costs, assistance received, and the effectiveness of Vocational Education Advisory Councils did not appear to be the significant predictors of outcomes for programs involved in training students. Other factors related to outcomes may be playing a role in training programs for students, but not the ones used in the analyses.

In terms of numbers alone (refer to Table 68) the <u>adequacy of R.C.U. funding</u> is the major factor, followed by <u>external</u> and <u>internal</u> influence in that order. If one were to consider both external and internal influence in combination, it is apparent that influence outside the project director himself play a major role in outcomes.

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<u>Assistance received</u> from various sources also are significant. <u>R.C.U. funding</u> should be considered an extension of an adequacy of <u>R.C.U. funding</u>. This, in combination with the adequacy measure, makes the R.C.U. funding variables very significant.

TABLE 68

NUMBER OF TIMES THE VARIABLES WERE THE MOST SIGNIFICANT CONTRIBUTORS TO PREDICTING DEPENDENT VARIABLES

Rank	Va /bles	f
1	Adequacy of R. C. U. funding	32
2	X External Influence	30
3	X Internal Influence	27
4	X Assistance Received	23
5	R.C.U. Funding	14
6	Per Unit Costs	10
7.5	Effectiveness of Voc. Ed. Adv. Council	9
7.5	Length of Projects	9

<u>Per Unit Costs</u> tends to have a negative effect. This effect might be a function of: the inaccurate estimations of per unit costs; the lack of such information for data analysis; per unit costs might be meaningless in a project that must be considered a totality by the director; or in the nature of projects, this factor is just not a significant consideration. 'The effectiveness of Advisory Councils tended to be felt by training programs and/or projects serving small populations. The influence of the length of the project appears to be felt by projects serving suburban communities, as well as in terms of changing or affecting attitudes. However, it does appear, along with Vocational Education Advisory Councils to be the least effective of the predictor variables studied.

It should be noted again, that this study was based on a questionnaire – opinionnaire and interviews, thus the information supplied were perceptions of project directors. Aside from the on-site visitations, no attempt was made to varify the data out in the community. The major function of the multiple regression analyses was to help establish relationships that existed in R. C. U. funded projects from 1966 to March of 1972, so as to shed light on the innerworkings of such projects and what factors might lead to, or influence, success.

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CHAPTER 7

GENERAL FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

Introduction

The purpose of this chapter is to review the major findings of this study - it is <u>not</u> to review all the findings, the preceding pages has done this in depth.

The reader again is cautioned that the data used in this study comes directly from project directors. As indicated earlier, a total impact study would have to include: surveying trainees, the business community, and school personnel; and analyses of census data collected by local, state and national governmental agencies. This should be done over the life of projects, as well as after their completion. This project didn't attempt to do this, rather it attempted to focus on the perceptions of project directors and key State Department Vocational Educators as they perceived their project, its outcomes and operations of R. C. U. The projects were confined to all R. C. U. funded projects from 1965 to March of 1972. An opinionnairequestionnaire and on-site visitations were the techniques used to collect all the data.

General Findinge

Data Sources

Although there were many reports and documents describing individual projects, the <u>Pennsylvania's Abstracts of Research and Related Materials in Vocational</u> <u>Education</u>, Volumes I, II, was the major source of project descriptions. The projects described in this document were categorized in seven general areas. These areas were: Curriculum Development - Scope and Sequence and Guidance: Research: Material Development: Training Programs - Teacher/Other Professionals; Training Programs - Students and/or Adults; Purchase and/or Updating of Equipment; and Work Study. Also studied were the Arnold Report, Labor Market Studies, V. E. M. I.S. Reports, V. E I. N. and certain other follow-up studies as conducted by R. C. U.

Interdepartmental Relationships

1. The interdepartmental relationships between R.C.U. and other departments within the Bureau of Vocational Education appears to be quite relaxed and good. Excelient personnel relations appear to exist.

2. There seems to be a need to extend more formal and structured lines of communications between R. C. U. and other departments, rather than the relying on informal and formal ones that now exist.

3. Solicited projects originating from departments outside of R. C. U. also seems to be desirous. It would appear that many departments are brought in as consultants on projects already proposed, the department of vocational education would therefore like to see more requests for solicited proposals from R. C. U. working in consort with other departments.

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4. The impact of R. C. U. at the state level was evidenced through such studies as Arnold report, supply demand studies, V. E. M. I. S., V. E. I. N. and the data input to the state plan for vocational education.

Description of The Respondents and Impact

Populations

1. The largest number of projects went to local legal educational authorities (school districts), while Area Vocational-Technical Schools received about 25% of all the projects.

2. The funded projects were almost evenly distributed between rural and urban population concentrations. Suburban communities appeared to receive fewer. While over 71% of the projects served communities of 50,000 and above (45.6% of the projects served populations over 100,000).

3. Most targeted populations were "regular" students, with those classified as disadvantaged being well represented. There were a surprisingly large number of projects serving handicapped students. With the recent State court rulings concerning handicapped students and education, this becomes very meaningful.

4. Secondary students were the populations most served; with post-high school programs being the next largest area served. Programs for lower grade students were few (11).

Director's Background

All but one of the directors were college graduates, with many more years of teaching experience than supervision/administration or non-educational experience.

Elements of the Projects

The major efforts of the projects, in order of the largest part of the whole, are; research, curriculum development, training students, and training teachers. Curriculum development was the element most often found in projects. Sixty of the projects were involved to some degree in training.

Objectives Met

1. Program-type objectives were the most noted prime objectives. With the majority of projects dealing with more than one objective. Most directors felt that their projects were quite effective, although not totally effective.

2. Few unexpected outcomes were identified by the directors, those noted appeared to be quite positive.

3. Teachers and materials were major contributors to meeting the goals of the projects; however, project directors felt that administration and teachers hindered them.

Impact on Educational Practices

Directors felt that their projects had some positive impact on educational practices at all geographic levels of education. They appear to be most effective at the county, state, and national levels. Curriculum and instructional procedures were the areas that they felt they had the most influence.

Sources of Influence on Decision Making

Directors felt that they themselves were the strongest source of internal influence, followed by students and teachers. State governmental policies and community were the strongest sources of external influence. They also felt that generally internal influence was stronger than external – both being on the positive side of neutral.

Becoming Permanent Parts of Educational Programs

Results of the projects appeared to become permanent parts of school buildings or school districts – but not at any other level. These results are in keeping with the limited ripple effect of the R. C. U. funded projects found elsewhere in this study.

Satisfaction Generated by The Project

School systems, participants (other than trainees), and trainees were most satisfied by the projects. Those further away from the projects were less satisfied. R. C. U. satisfaction was the lowest of the group, but it was still on the positive side of satisfaction.

Attitude Changes

There was little positive change in participants towards the stimuli (concepts) provided. The strongest positive change in them was towards the participants themselves. Purpose or thrust and Vocational Education in general were the next highest areas for change. Attitudes towards others appeared to be changed negatively.

Monies Allocated and Adequacy

1. The average total cost reported for the projects was \$79,909, while the average R. C. U. funding was \$44,568. The total amounts used (where reported) was \$6,073,132; the total R. C. U. funding (where reported) was \$3,342,609. It

was apparent the R.C.U. funding was a major source. School budgets were the primary source for non-R.C.U. funding.

2. R. C. U. funding was considered almost adequate.

Additional Monies

If additional monies were available, the directors would have spent it on materials and program (curriculum).

Per Unit Costs

1. Totally it cost \$1,806 on the average to train a student, produce a curriculum material, etc. When considering the average per projects, the cost was reduced to \$948.74.

2. Only 51 were able to give a figure response.

Assistance Received During Projects

1. The R. C. U. and Vocational Education Bureau of the State Department of Education appeared to give assistance to directors. It is also important to note, that directors also requested the assistance.

2. Directors did not request much assistance from R.C.U., but did receive valuable assistance when requested. They received more assistance from R.C.U. than would be expected, given the amount requested.

3. They tended to receive little assistance from school district personnel, although they did request it.

4. They also received slight assistance from teacher education institutions.

R.C.U. Interaction

Project directors would like to see R. C. U.'s role increased after initial funding. This is in keeping with their needs for greater communications, feedback, and assistance.

General Responses

Most were happy with the design of their projects, thought their agency appropriate, remained active with other projects, but few were promoted or received other advancements.

Local Vocational Education Advisory Councils

These councils were little used; but when used, they proved to be effective.

Project Evaluations

Less than 50% of the directors indicated that an internal evaluation had been made on their projects, and only 25% indicated an external evaluation.

Training Programs

1. Of those reporting the information they totally spent \$3,035,868 for an average of \$67,463; they spent \$2,419,830 of R.C.U. funds for an average of \$53,774 (this was 72.3% of all monies, as indicated by respondents, spent by R.C.U.).

2. When per unit costs for training was specified, the average cost was \$508.65 per trainee, while the average per unit costs for training and other activities was \$821.99.

3. Programs trained more students than teachers or adults - with the majority of trainees being white.

4. Blacks (7.5%) make the next largest group of trainees, Orientals (6.6%), American Indians (0.4%), and last, Puerto Rican (0.0%).

On-Site Visitations

1. Project directors were able to establish that their projects did, indeed, have impact.

2. The ripple effect on the project-in different areas was not established or demonstrated to interviewers.

3. Most would have continued their project if given the opportunity.

4. Additional funding, feedback on a regular basis, and more on-site visits should be provided the State Department of Education and R.C.U.

5. Of those who responded, about 50% indicated that their local boards would use their own operating budgets to continue the projects.

Comparisons

1. Little difference existed on the factors studied among the one year, two year, and three year projects.

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2. Types of prime and unexpected objectives did not generate different rating patterns (in terms of meeting them) among the directors. Those who requested assistance perceived the assistance received higher than those who didn't request assistance but got it.

3. Table 55 is a matrix of the heaviest discriminant coefficients found when maximizing differences among groups on the variables. There were differences among: rural, suburban, and urban groups; sizes of communities; types of programs; degrees of total funding; degree of R. C. U. funding; ethnic identification of students trained; and teachers trained-students trained. The variables that appear to be separating the groups are: meeting prime objectives, unexpected outcomes; factors hindering success; influencing educational practices at the national level; internal influence on decision making; satisfaction generated by the program; changes in attitude; adequacy of R. C. U. funding; amount of assistance; and effectiveness of Vocational Education Advisory Councils. They had different effects on different groups. Approximately half the variables used had some effect on separating groups - thus they had different effects on the groups.

4. It appears that projects serving larger/communities were different from other groups. Work study, equipment and curriculum type projects were also quite different. Extreme funded projects were also different from each other. Training programs were quite different from each other, and were affected by more variables than any other grouping.

Relationships

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1. There were many variables that could be predicted within different subgroups studied (refer to Table 69 found in this chapter). Again the larger groups (total groups, over 100,000, urban) tended to be more sensitive to factors than those serving smaller areas or communities. The factors studied in training programs for students were not affected by the variables, this was not true for teacher training programs.

2. <u>Attitude changes</u> could be predicted more often than <u>influencing educational</u> <u>practices</u> at different levels, which in turn was predicted more than <u>satisfaction</u> generated by the project in various areas.

3. As before, the lack of the ripple effect is demonstrated by the fact that the further away from the project one gets, the harder it is to effect change. Satisfaction generated in trainees and participants could be predicted more often than in personnel further from the project. Influencing educational practices at the building level and local level is easier to predict than at the state or national level.

4. In descending rank order of influence we find: 1. <u>Adequacy of R. C. U.</u> <u>funding; 2. X External influence; 3, X Internal influence; 4. X Assistance re-</u> <u>ceived; 5. R. C. U. funding; 6. Per unit cost; 7.5 Effectiveness of Vocational Educa-</u> <u>tion Advisory Councils; 7.5 Length of projects</u>. It is also interesting to note that R.C.U. funded variables have greater influence on changing attitudes, while internal and external influence had greater effect on influencing educational practices, satisfaction generated, and goals reached. Interestingly, suburban programs appeared to be affected more by Vocational Education Advisory Councils than any other group.

MATRIX LISTING OF DEPENDENT VARIABLES PREDICTED, SEPARATED BY THE GROUPING OF PROJECTS - PERCENT OF TOTAL VARIANCE ACCOUNTED FOR INDICATED

Groups

Dependent Variables	Total Group	Less Than 25,000	25- 50,000	50- 100,000	Over 100,000	Urban	Suburban	Rural	Teachers/ other Profes- sionals	Students	Total
X of Prime Objectives	24.19	92.60	_		45.05	_	_			_	3
X of Unexpected Outcomes	_	_	<u> </u>	—	—		_				0
Influence Educational Practices in:											
Building or	 .										
Neighborhood Local Community	36.64	93.58	<u> </u>		48.36	76.66	82.59	55.80	78.07	—	7
and/or District County/	38.36	—				72.54	73.23	82.10	—	—	4
Intermediate											
Unit	23.83				42.52	—	72.46	57.5 1	74.16	—	5
State		—				—	—		77.43		1
National	19.60				45.83					—	2
Satisfaction											
Generated in:	17 10	96.52			20.00	50.40					
Trainee Participants (other	17.19	90.52			39.99	50.48		·		-	4
than Trainees) School Building			93.28	—	43.22	48.43	<u> </u>				3
Personnel	21.53				40.09						2
School System	27.53				47.74	<u> </u>					2
County System/ Intermediate											
Unit		—	97.32		40.73	—			—		2
R.C.U. State Dept. of Ed.	19.99 	_	—		56.83	—					2
(other than R.C.U.)	15.92		—		45.03	_	-		—		2
Changes in Attitude Towards:											
Purpose of Thrust Voc. Ed. in	28.56		—	71.49	62.09	65.92	—				4
General Education in	34.79		94.78		54.37	83.73	—	66.71	_		5
General The World of	32.30		_	61.20	70.35	83.69					4
Work	31.80	99.37			49.77	90.02		-		—	4
Themselves	27.63	99.02			53.88	69.67					4
Others (Peers)	33.11	97.07			57.21	75.36		—			4
Others (Non-Peers)	27.01	97.07	—	—	57.16	74.09	—				4
Ultimate Effects on Targeted Population	29.06		99.11		66.72	47.56	76.89		_		5
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Totals By Groups	18	7	4	2	19	12	4	4	3	0	73

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#### CONCLUSIONS/RECOMMENDATIONS

- 1. The index descriptors presently used in the P. A. R. M. S. tend to mask the real thrust of the programs. It is suggested that the authors of the P. A. R. M. S. not only list the projects by vocational area (as is presently done), but that they also list them by the major type of program for easier identification. The index descriptors may then be a separate heading.
- 2. Interdepartmental ties can be strengthened through more formal contact with departments. The various departments felt that more <u>solicited proposals</u> should be sought, thus inferring a research and program leadership role being increased for R. C. U. and the various State Vocational Education Departments.
- 3. R. C. U. did not appear to show favoritism in its funding with most projects found in institutions below the college level. However, smaller size communities were underrepresented in the funding. This could be a function of the nature of population distributions in the State, a function of school district boundaries, or the fact that smaller schools did not submit proposals. Regardless, it would seem appropriate that smaller size communities be better represented. This might mean direct solicitation by R. C. U. from such schools or school districts.
- 4. With the introduction of Career Education in the schools, it would appear that projects serving lower grade students (1-8) should be solicited or encouraged. This could be a thrust or goal for R.C.U.
- 5. The make up of all the projects appear to be quite evenly divided among research, curriculum and training. Materials, equipment, and work study did not make up large portions of the efforts of the projects. Thus, student oriented efforts appeared to be the thrust of the projects.
- 6. The projects were multi-objective in nature, with most prime objectives being met. It could be concluded from the data that not all objectives were met. Whether any project can do this is difficult to state, however, the directors appeared to feel that of the prime objectives they listed, most were to a great extent satisfied by the projects. Projects tended to generate few, but positive, unexpected outcomes. Generally it would appear that the projects achieved the objectives stated in the original proposals.
- 7. Teachers/staff play a major role in the success or failure of programs. Therefore, directors must utilize their staff effectively if they wish to meet the projects' goals.
- 8. Educational practices at building and local levels appeared to be affected by the projects. The ripple effect beyond the immediate geographic localities was not apparent. Thus, effective educational practices appear to be quite limited. The need to communicate successes of projects to other communities and beyond appears to be needed. This function might be assumed by R. C. U. The establishment of better communications between project lirectors, school districts, state, and national groups might facilitate this. Final reports,

although heavily used to disseminate information, evidently are not very effective as change agents. R. C. U. could play a major role in this area as a disseminator of information and consequently help to be a stronger change agent.

9. Aside from the project directors' own values and concerns, he/she must consider the influences generated by professional staff, students, the community, and state governmental policies on his or her decision making. Thus, the director is not alone when making decisions, and these sources of influence should be considered in projects to facilitate the use of their input and effect.

10. Those most closely related to projects appear to be most satisfied by the projects. The low ratings on R. C. U. satisfaction might be generated by a lack of feedback from R. C. U. on what the projects accomplished. This might be caused by a lack of manpower to do this on the part of R. C. U. Many in the interviews indicated that they would like this information from the agency.

It is recommended that post evaluation of projects, and subsequently informing project directors of the results, become a function of R.C.U.

- 11. The projects had little effect on changing attitudes of participants. Where attitudes were changed, they tended to be towards the participants themselves, the purpose of the project, or vocational education. There were negative changes too. If projects (or education in general) are to be considered effective, there should be considerable positive attitudes towards other factors besides the individual himself. Improved self-images are significant and should be stressed by projects, but interpersonal relations are also significant. Projects should be designed to improve interpersonal as well as intrapersonal relations. Given the slight positive attitude changes, projects should also be designed to stress more changes in attitudes.
- 12. R. C. U. was a major source for funding of projects; school budgets were the major source for non-R. C. U. funding. Thus the interrelationship of R. C. U. and school budgets is apparent. Consideration of this fact by directors and R. C. U. must be built into the total budget of projects for many of these projects owe their existence to both sources.
- 13. Accounting does not appear to be a major area of competency for project directors, just over half were able to give per unit costs. In some cases the costs were "rough" estimates. The per unit costs appears to be the weakest data supplied by directors in this study. It would seem the project directors should be more aware of Management By Objectives, P. P. B. S., or other systems for accounting purposes. With the large amounts of monies they spent, this information should help for accountability purposes. R. C. U. should require an accounting system to be built into each project. Leadership in developing such accounting systems within projects should come from R. C. U.
- 14. Directors appeared to look towards R. C. U. and the State Vocational Education Bureau for assistance during their project. They also received some assistance from them. Little assistance came from other areas.

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Making R. C. U. a major source of assistance, might help to facilitate R.C.U.'s role in working with project directors. Directors indicated that they desire more interaction with R. C. U. during funding, thus R. C. U. has a willing group to work with.

- 15. Project directors were pleased with the project design and would do little to change it. They also received little material rewards for their efforts.
- 16. Vocational Education Advisory Councils were little used, but proved to be effective when used. Given the effectiveness of Advisory Councils, their subsequent influence on outcomes, and sources of external influences on decision making, these Councils should be better developed, expanded, and above all used by project directors. If these Councils are not used by the directors, then proposals should be structured to guarantee their use. It is suggested that R. C. U. play a leadership role in helping project directors utilize the Vocational Education Advisory Councils in meeting the goals of projects.
- 17. Formal evaluations of the projects appear to be lacking less than 50% had any type of evaluation (internal or external), and only 25 had an external evaluation. This lack of evaluation might be adding to the lack of dissemination of results, because many projects can not provide data (in form of evaluations) that looks at the <u>quality</u> of the project. Project directors would also be hard put to provide data on results without some type of evaluation.

Here R. C. U. could be providing a service by either requiring a formal evaluation, or as will be suggested in the following chapter, a formal post-project evaluation.

18. Since "other" category is a rather meaningless classification in terms of ethnic identification, the numbers were excluded from calculations. When this was done, the inbalance between whites and all minorities becomes very great when looking at the nature of trainees. Puerto Ricans are almost non-existent in this study.

It can be safely stated that minorities are not well represented in the training programs of <u>this study</u>. The one major minority group not represented is the Puerto Rican. Attempts should be made to solicit training programs that will give a better ethnic balance of those being trained - particularly Puerto Ricans.

Even when the "other" category is considered in the calculations, the inbalance between whites and specified minorities is still considerable. Many of the minorities may be hidden in the "other" categories. Given the ethnic identification situation today, project directors should be aware of such information and not combine specified minorities in the "other" category. The participation of all minorities in training programs should be expanded and encouraged. Solicited programs might be one approach that R. C. U. may use to correct this inbalance.

19. Projects are unique to each other, but the length of the projects doesn't appear to be a factor in such uniqueness. Thus projects should be evaluated on other factors besides length.

- 20. Not surprising is the fact that directors who requested assistance rated such assistance higher than those who received assistance but did not ask for it. To be of more effective assistance, request for such assistance should originate with the directors, and not an outside party.
- 21. Looking at programs in terms of just the length of the projects would not appear to be beneficial. There were little total differences among one year, two year, and three year projects, although the length of projects did influence specific outcomes and specific groups.
- 22. There are differences among groups other than that generated by the length of projects, and such differences are generated by many factors. Not all factors operate on all groups, nor do they affect them in the same way. Training programs were the most sensitive to the variables.

Directors of projects and funding agencies must be aware of these differences and not treat all proposals alike. They must be able to isolate those factors that make differences and treat them accordingly. Further research is needed in this area to establish why these differences exist and how to handle them. Evaluations of the effectiveness of proposals must also take into account the fact that differences occur among projects, and that such differences must be built into any evaluative instruments or procedures to be used.

23. Again large projects are more sensitive to factors than are smaller projects, and that training programs for students were not sensitive. R. C. U. type variables had a strong influence on attitude outcomes, while internal and external factors appeared to affect educational practices, satisfaction, and goals.

Although it would be dubious to establish a cause-effect relationship, it does appear that attitudes were positively affected by the degree (as perceived in adequacy) of R. C. U. funding. This might mean that if one were to increase the R. C. U. funding, one might be able to increase (to some extent) positive attitudes towards the variables studied.

It also appears that the amount of internal and external influence will affect goals, satisfaction, and educational practices. Thus if programs were designed to increase either internal or external (which ever is appropriate) influences, the degree of satisfaction generated by the project, the ripple effect by influencing educational practices, or meeting goals would be enhanced.

The other factors discussed have an effect on the variables studied, thus like a chemist, the project director must be able to balance and mix the appropriate amount of effects to increase the ultimate goals of the project. It does appear that he can increase his effectiveness as a director, consequently increase the probability of meeting the project's goals, if he identifies and understands such relationships.

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In summation, the R.C.U. funded projects have had significant impact on vocational education. The R.C.U. staff is well received at all levels. Given the funding tasks, the budget constraints, and the educational needs, the R.C.U.

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funding programs have had noteworthy effect on education. Changes have been suggested that should increase R.C.U.'s effectiveness.

The data points to a need for greater R.C.U. input at all levels; certainly R.C.U. funding has made a unique contribution to vocational education. This study has pointed out a need for more interaction between R.C.U. and many levels of the educational community. R.C.U. should also be involved at various levels of project development, implementation, guidance, review, and evaluation. In order to do this, the systematic approach must be developed to implement many of the suggestions made in this report. The following and final chapter includes a model for monitoring R.C.U. funded projects. Its sole purpose is to facilitate R.C.U.'s mission, and hopefully to maximize and/or minimize those relationships and factors found in this study.

#### CHAPTER 8

#### MODEL FOR MONITORING R.C.U. FUNDED PROJECTS

The results of this study indicated a need for greater and more effective control of funded projects in a systematic manner by R.C.U.

The following few pages are a description of a possible model (refer to Figure I) that could be used by R.C.U. in monitoring its funded projects. The model should be viewed as a whole, but at the same time, as two sub-models operating simultaneously. The sub-model blocks for grantee functions is illustrated with screen in the background. The sub-model blocks for R.C.U. functions does not have the screen background. Together both models flow through and at times parallel the same points. Totally they can be considered a model, since they interact with, and are not independent of each other; they also work simultaneously.

First, R. C. U. must continue to establish priorities. These priorities might be established in concert with others, originate at higher levels, (State, Federal Government), a product of research, community demands, needs as seen by R. C. U. staff, etc. Regardless of their origins, the priorities must be established in order to guarantee the logic of the dispersion of funds. R. C. U. should continue to make these priorities known to the various interested publics.

Next a grantee submits a proposal. This proposal might have been solicited, or it might have been unsolicited. Regardless, the proposal is submitted according to proper submission procedures established by R.C.U.

R. C. U. staff then evaluates the proposal in terms of the priorities and the stated goals of the proposal. A cost analysis is conducted by R. C. U. to determine the cost efficiency and cost effectiveness of the proposed research or project. This is done, even if the proposal does include cost efficiency data of its own.

A decision concerning the status of funding is made. If a negative decision is reached, the reasons for not funding the proposal is returned with the original proposal. If the decision is positive, then the grantee is informed that a preliminary affirmative decision has been made, pending an on-site visitation by R. C. U. staff personnel to review procedures to be used by the grantee as well as the facilities available to perform the project. If all is in accordance with R. C. U. priorities, cost efficiency and effectiveness, then the project may begin as submitted. If there is a need for alterations of the proposal, but there are no major revisions, the grantee may wish to amend the proposal accordingly and await final decision (refer to the feedback loop). If there are major revisions, the grantee may wish to revise and resubmit as if it were a new proposal. The proposal may also be rejected outright.

During the life of the project, R. C. U. will be in constant contact with the grantee in order to give advice, information and support. There are very formal definite procedures that must be followed during the life of the project. The grantee will be requested to prepare and submit quarterly status and evaluation reports. These reports are to be submitted directly to R. C. U.

R. C. U. conducts quarterly on-site visitations to assess the progress of the project in its environment. The grantee-submitted quarterly reports are also reviewed by the R. C. U. staff. After the information from the on-site visitations and the review of the quarterly report are considered, a decision as to whether to continue the project is made. If the project is terminated (for which R. C. U. must show cause, and the grantee may appeal), all unused funds are collected, a review is conducted, and a report is prepared. A project may be continued without any revisions, or recommendations for changes in procedure, design, or thrust may be made. [The grantee may accept the changes or jointly decide on changes needed.] R. C. U. then reviews changes made based on recommendations, and then feeds back in the loop to quarterly reports - thus establishing a more accurate base for which a decision may be made on whether to continue the project.

The quarterly review loop is not made in a vacuum, R. C. U. is in constant contact with the grantee for information, input, and reactions. While the review is in process, the program is continuing. The program can only stop when R. C. U. makes the decision to terminate it - with stated justifications. The review procedure is formally performed after each quarterly report.

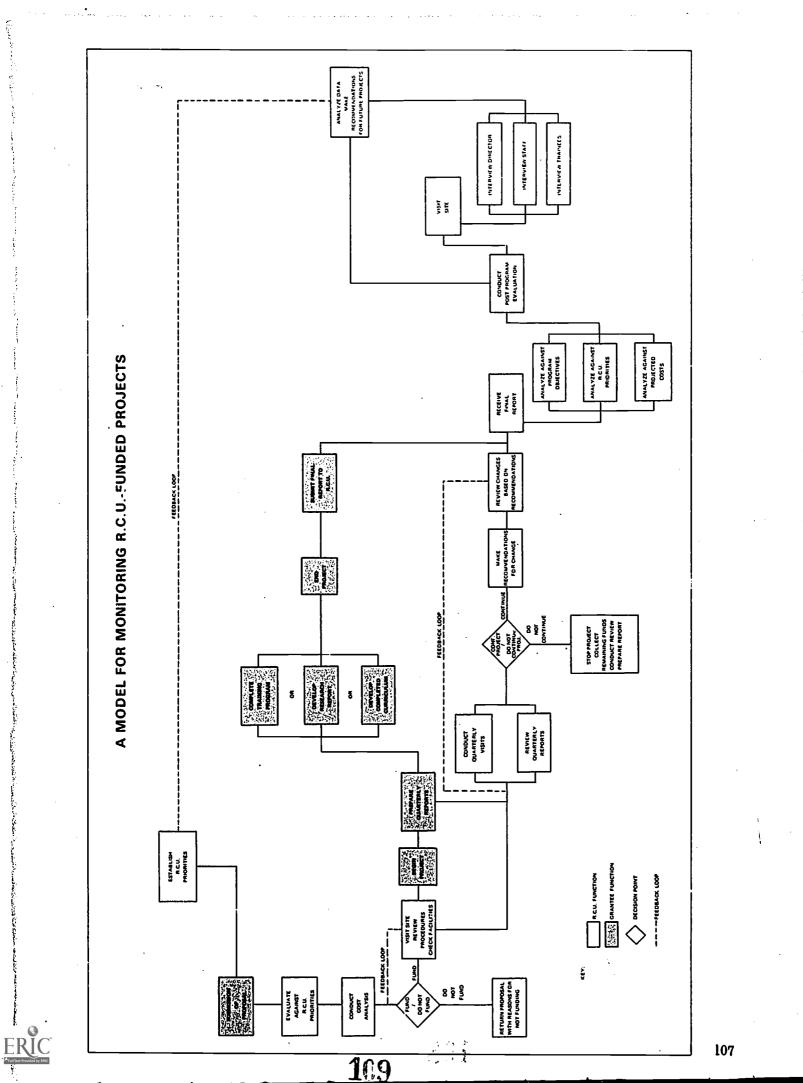
If there are no revisions, or acceptable revisions are made, the project continues until completion. The project ends and a final report to R. C. U. is made by the grantee. The grantee's formal functions thus end. The final report is then analyzed by R. C. U. staff and/or consultants in terms of: meeting program objectives; R. C. U. stated priorities; cost efficiency; and cost effectiveness.

R. C. U. then performs a post program evaluation. Depending on the nature of the project, R. C. U. staff may perform on-site visitations, interview the project director, interview staff, interview trainees, include visitations and surveying the needs of industry, commerce, and the community(ies) served by the project, or test and research materials developed.

The post program evaluation thus results in a final overall analysis of all the data collected on the project from its very beginning. This is part of an evaluation for R. C. U. From this data should follow recommendations for future projects as well as possible additions, omissions, or revisions of R. C. U. 's own priorities.

This proposed model will enable R. C. U. to monitor and evaluate R. C. U. funded projects. However, the implementation of this model would entail an increase in the present R. C. U. staff and an increase in the support capabilities of the present R. C. U. operation. In the long run, a system that is flexible and allows for changes, that is constantly apprized of its present situation, that gives constant support to the grantee when needed, that demands continued fiscal and educational responsibility and accountability of the grantee, and that demands continual fiscal and educational responsibility and accountability of <u>itself</u>, must, by its very nature, put demands on all of its elements, and in turn it will increase the efficiency and effectiveness of the Research Coordinating Unit to meet its goals and micsions.

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APPENDIX A

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## AMERICAN MANAGEMENT CENTER, INC. 262 SOUTH 15th STREET • PHILADELPHIA, PA. 19102

Dear Respondent:

The American Management Center has been funded by the Research Coordinating Unit, of the Department of Education, to assess the impact of RCU funded projects on educational practices in Pennsylvania. The enclosed questionnaire - opinionnaire has been developed as one part of the project.

As an individual involved in a funded project, you can provide us with important information that will help to determine the degree of impact RCU funding in general, has had in vocational education areas. We are interested in identifying the strong and weak areas in the RCU funded program, so please answer with complete candor. All information will be held in strictest confidence, with general trends and results appearing in a culminating report written by the American Management Center.

We are aware that the instrument appears to be quite lengthy, but most of the questions require checking - type responses; the total instrument should not take too much of your time. Thank you very much for contributing to this important research effort.

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Sincerely yours,

American Management Center



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF EDUCATION BOX 911, HARF:ISBURG, PA. 17126

Dear Vocational-Education Researcher:

The Research Coordinating Unit and The Bureau of Vocational-Technical and Continuing Education are having a study conducted of past vocational education research efforts to determine the impact of this research and related activities on vocational programs in Pennsylvania. The American Management Center (AMC) in Philadelphia has been selected as the outside agency to conduct this study.

In the very near future, AMC will be contacting former vocational education research project directors that have conducted projects since 1966. The work of AMC will be greatly facilizated and in turn, bureau services may be improved if AMC receives your fullest cooperation with this study.

Thanks in advance for your full cooperation.

Sincerely

John W. Struck, State Director of Vocational Education

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#### IMPACT ASSESSMENT OF RCU FUNDED PROJECTS

#### Survey Form

#### American Management Center

Please fill out this form and return by May 12th in the self-addressed envelope provided. In order to make this study meaningful and to give us needed information, we will need your cooperation in providing complete and objective responses. <u>All information will</u> <u>be treated confidentially and anonymously</u>. We are concerned with surveying all the programs and not focusing on a particular project.

This survey instrument is divided into two sets of questions. Questions 1 - 26 cover information for all projects; Questions 27 - 30 deal specifically with training (students/ adults/teachers/other professionals). We ask that everybody respond to questions 1 - 26, and in addition those involved in training programs respond to questions 27 - 30.

We are aware of the imposition we are placing upon your busy schedule, that is why the instrument was designed with a minimum of open-ended responses.

Thank you for the time and effort that you will expend in responding.

American Management Center

Date filled out RCU Project Number _____

- 1. Please check the appropriate classification of the group or agency operating the project.
  - a. Local public school system
  - b. Area Vocational-Technical School
  - c. University/College
  - d. Non-Profit private organization
  - e. Other (please explain)
- 2. Check the appropriate area(s) that your project served or serviced.

- A. Population Concentration
  - 1. Rural (Non-Appalachia)
  - 2. Rural (Appalachia)
  - 3. Suburban
  - 4. Urban

- B. <u>Population of the Geographic</u> community served:
  - 1. over 100,000
  - 2. 50,000 100,000
  - 3. 25,000 49,999
  - 4. 10,000 24,999
  - 5. Under 10,000

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C. Targeted Population(s) of the Project

1. Regular

2. Disadvantaged 3. Handicapped

#### **D.** Education Levels

1.	Pre-School	
2.	K-3 grades	<u> </u>
3.	4-6 grades	<u> </u>
4.	7-8 grades	
5.	9-12 grades (comprehensive)	
6.	Special Education	
	Area Voc-Tech School 9-12	
8.	Post-High School (Non-College)	
9.	Community/Jr. College (A.A.,	<u> </u>
	Transfer, Terminal)	
10.	College/University (4 year institutes)	
	Queducto School	<u> </u>

- 11. Graduate School
- 12. In-Service Training
  - (Non-College Credit)

#### 3. The Project Prime Administrator's Background

- A. Educational Level (check highest level reached)
- Non-Degree B.S./B.A. M.S./M.A./M.Ed Ed.D/Ph.D B. Number of years: Teaching Supervision/Administration C. Non-Educational Experience (business/industry, on-the-job training) Number of years
- 4. If you were to divide your total project into its elements, illustrate below, within the grid, the percentage of the total project that was devoted to: Ilse Those Symbols

	Use These Symbols
Curriculum development - scope and sequence/guidance	(SS)
Research	(R)
Developing Materials	(DM)
Training - Teachers/other professionals	(TT)
Training - students/adults	(TS)
Equipment - purchase and/or upgrading	(E)
Work study	(WS)

Example			0%	10 2	0 30		50	60	70 8	0 90	100%
Symbols	and Pe			5-36%		DM-	24%	<u>R-1</u>	.8%	TS-22%	
			0%		_						10%
	_0%	5 10	20	30	40	50	60	70	80	90	100%
Symbols and											
Percents										·	
	0%'										100%

5. List the prime objectives of the project (as indicated in the proposal for the project), and indicate to what extent they were met. Use the following rating scale: Not at all  $-\frac{1}{1}$ ; Very little  $-\frac{2}{2}$ ; Somewhat  $-\frac{3}{2}$ ; Considerably  $-\frac{4}{2}$ ; Objective was totally met -5.

Α.	Primary Objectives	Rating
	1	<u></u> B
	2.	
	3	
	4	 
	5	
	6	

### 6. List unexpected outcomes - indicate with a check if they were positive or negative.

Unexpected Outcomes	Negative	Positive

7. A. What major factors (or elements) contributed most to the success of your project? List them with the most significant first, the second most, then the third, and so on...

### (Most Significant)

# (Least Significant)

B. What major factors (or elements) hindered you most in meeting the project's objectives: List them with the most significant first, the second most, then the third, and so on...

(Most Significant)

#### (Least Significant)

8. Rate how successfully your project was able to influence educational practices at the following levels. Use the following ratings:

Extreme Negative Influence	e Negative	Had Some Negative Influence	No Influence	Had Some Positive Influence	Very Positive Influence	Extreme Positive Influence
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
Lev a. b.	els: Building or neig Local community district	hborhood y and/or	Rating	-	-	-
с. d. e.	County/Intermed State National	diate Unit				

9. Which of the following can be identified as specific examples of how you could determine your project's influence? Indicate by placing a check in the appropriate column(s) where the influence was felt.

Sp	ecific Examples	Building/ Neighbor- hood	Local/ Dist.	Inter- mediate/ Unit County	State	National
a.	New or revised curriculum					
b.	Classroom/shop instructional procedures					
c.	New or revised educational policies					
d.	New or revised administrative policies					
e.	New or revised counseling/guidance procedures					
f.	Changes in employment patterns			1		
g.	Decreased unemployment rates					
h.	Decrease in the number on welfare					<u></u>
<b>i.</b>	Reduced dropout rate of your targeted population					
j.	Remain, or initial selection, in the area for which the targeted population was trained					
k.	Teachers/other professionals received certificates					
1.	Others (explain)					
	<u> </u>					

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### Level Where The Influence Was Felt

To what extent did the following influence your decision making while director of the 10. project? Please insert appropriate rating in space provided:

Ratings: Extreme negative influence - 1; Very negative influence - 2; Had some negative influence -3; No influence -4; Had some positive influence -5; Very positive influence - 6; Extreme positive influence - 7.

Sources of Internal Influence Α.

1.	· •	
2.	Students	
3.	Sect'y	
4.	Unions	
5.	School Board or University policies	
6.	Restriction of the proposal	
7.	Your immediate supervisor	
8.	Yourself	
1.	Parents	
1. 2.	Parents Unions	
2. 3.	Unions	
2. 3.	Unions Community	
2. 3. 4. 5.	Unions Community Local governmental policies	
2. 3. 4. 5. 6.	Unions Community Local governmental policies State governmental policies U. S. governmental policies	
2. 3. 4. 5. 6.	Unions Community Local governmental policies State governmental policies	

- 11. How Check the appropriate one(s)
  - Final report a.

в.

- In-service training (after the project) b.
- Publications (books) c.
- Publications (articles) d.
- Speeches and papers given at conferences e.
- Speeches to local groups f.
- Word-of-mouth g٠
- Others (explain) h.
- Did the results, or product, become a permanent part of the program/policy for: 12.

a.	School building	Yes	No
b.	School district	Yes	No
c.	County/Intermediate	Yes	No
d.	State	Yes	No
e.	National	Yes	No
f.	University/college	Yes	No

As director, what are your feelings about the satisfaction generated by the project for; 13. (Please insert appropriate rating in space provided)

Ratings: No Satisfaction - 1; Little Satisfaction - 2; Satisfied - 3; Very Satisfied - 4; Highly Satisfied -5; Not Applicable -6.

- Trainces a.
- Participants other than trainees (e.g., staff) b.
- School building personnel c.
- d. School system
- e. County system/Intermediate Unit
- RCU f.
- State Department of Education (other than RCU) g.

14. Rate the changes in attitudes of those who partipated in your project. (Please insert appropriate rating in space provided.

* * * * *

	Rati	ings: Considerable Negative Change - 1	Some Negative Change – 2	No Change - 3	Some Positive Change - 4	Considerable Positive Change - 5
5.	a. b. c. d. e. f. g. Rate	Purpose or thrust of the project Voc. Ed in general Education in General The world of work Themselves Others (peers) Others (non-peers) e the project's outcome	es in terms of it	ts ultimate effe	et on students c	or targeted popu-
	latio	on. (Please encircle p	proper rating)			
	No	effect. Little effect. $\frac{1}{2}$	Some effect. $\frac{3}{2}$	Considerabl <u>4</u>	e effect. It h	ad a major effect <u>5</u>
	B. C.	RCU Funding $\underline{\$}$ Rate the adequacy of $\underline{\$}$ Extremely adequate. $\underline{5}$ Not very adequate. $\underline{2}$	Very adeq <u>4</u> Not adequa <u>1</u>	uate. Som ate at all.	ewhat adequate <u>3</u>	•
	D.	If more money had be not able to do with the				
.7.		ddition to RCU funding			g were used to	support the
	D. E. F. G.	None School budget Local government State - other than RCU Private industry U. S. Office of Educa Office of Economic O Other U. S. funding (i	tion	_ (LISt) - 		

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6

18. Estimate the per unit cost for your project. That is - how much did it cost to train/ educate an individual, or produce a curriculum material, or complete a study, etc., etc.

<u>List Unit</u>		Per Unit Cost

19. How much influence did the following have on creating the proposal? Please insert appropriate rating in space provided:

Ratings: Had no influence -1; Had very little influence -2; Had some influence -3; Very influential -4; Extremely influential -5.

Α.	RCU	
В.	State Dept. of Ed. (Non-Voc. Ed. Div.)	
C.	State Dept. of Ed. (Voc. Ed. Div.)	
D.	County level Voc. Ed. personnel	
Ε.	Local Voc. Ed. personnel	
F.	School building personnel	
G.	School district personnel	
H.	Teacher education institution	

20. How much assistance did you receive, or have, during your project from: (Please insert appropriate rating in space provided)

No assistance -1; Slight assistance -2; Some assistance -3; Considerable assistance -4.

			Did you request assistance?
_	2011	Rating	<u>Yes</u> <u>No</u> .
a.	RCU		
b.	State Dept. of Ed. (Voc. Ed.)		
C.	State Dept. of Ed. (Non-Voc. Ed.)		
d.	County Educational Personnel		
е.	District Personnel	÷	
- •			
f.	School building personnel		
g.	Teacher Educational Institutions		

#### 21. Do you believe there should be: (check only one)

a. <u>No</u> interaction between RCU and the project after funding has been approved.

- b. There should only be <u>slight</u> interaction between RCU and the project after funding has been approved.
- c. There should be <u>some</u> interaction between RCU and the project after funding has been approved.
- d. There should be <u>considerable</u> interaction between RCU and the project after funding has been approved.
- e. There should be <u>constant</u> interaction between RCU and the project after funding has been approved.

22.	Should your project,	as designed,	be repeated?
-----	----------------------	--------------	--------------

- a. Yes ____ (go to b. and c.) No ____ (go to b. and d.)
- b. Why?_____
- c. What would you do differently, if the project, as now designed, were to be repeated?
- d. Would you repeat the project, if you were to significantly redesign it? Yes No ____. If yes, how and in what way would you change it?

If no, why?

23. Now that you have completed the project, do you feel that your agency (or institution) was the most appropriate one for this project?

a. Yes ____, b. No ____, if not, which one of the following would be best suited?

- 1. Local school system
- 2. Area Voc-Tech. School
- 3. State department
- 4. University/college
- 5. Private industry
- 6. Local governmental agency
- 7. Other _____

24. As a result of this project, what happened to you - in terms of career advancement? Please check the appropriate response(s).

a. Nothing

- b. Received an advanced degree
- c. Was promoted
- d. Received certification
- e. Given other projects to develop
- f. Given administrative duties or position not held before the project (but not promoted)
- g. Other (please describe) _____
- 25. a. To what extent did you use a local Voc. Ed Advisory Council for this project? Encircle the appropriate rating.

None of the time. Very little. At times. A good bit of the time.  $1 \qquad 2 \qquad 3 \qquad 4$ A considerable amount of the time.

b. If you used them at all, rate their effectiveness - in terms of your project only. Was not effective at all. Had very little effect. Had some effect. 1Considerable effect. Highly effective. 45

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#### 26. a. Has the program had an internal evaluation?

- 1. Yes ____ (go to 2 and 3) No ___
- 2. Is a report available Yes ____ No
- 3. Who, or what unit within your organization, was responsible for designing and conducting the evaluation ?
- b. Were there any external evaluations done on your project? Yes No If so, by whom? (Title and address) Check here if a report is available

IF YOUR PROJECT WAS DIRECTLY INVOLVED IN TRAINING/EDUCATING STUDENTS, ADULTS (NON-PROFESSIONAL), OR TEACHERS/OTHER PROFESSIONALS (e.g., IN-SERVICE, WORKSHOPS, TEACHER TRAINING, ETC.) PLEASE RESPOND TO QUESTIONS 27-30. (IF NOT DIRECTLY INVOLVED IN TRAINING, THANK YOU FOR YOUR TIME AND EFFORT AND PLEASE RETURN THE INSTRUMENT IMMEDIATELY IN THE ENVELOPE PROVIDED.)

27. If the project was directly involved in training/educating, please give the numbers involved under the appropriate categories (A, B, C).

Number of <u>Participants</u> :	A. <u>Students</u> (Up to 18 years of age)	B. <u>Adults</u> * (Over 18 years)	C. <u>Teachers/other</u> <u>Professional Staff</u> (Workshops, teacher training, in-service etc.)
Total American Indians			
Blacks		<del></del>	
Puerto Ricans			
Whites		<u> </u>	
Orientals			
Others (explain)	*****		

*Do not include teachers or other professionals in section <u>B</u>. Professionals who participated in teacher training programs, workshops, in-service programs, etc., should be included in section C.

- 28. Did the majority of the participants after leaving your program (check the appropriate response)
  - a. If students or adults:
    - 1. Remain in school, or in another program, for further training/education?
    - 2. Go immediately into industry/business:

b. If teachers or other professionals:

- 1. Remain in the position or area that was the focus of your project or
- 2. Moved immediately into a position or area not related to the focus of your projects _____

29. If the participants went immediately into industry/business, list the business or industries in your area where the largest numbers were employed.


- 30. If a program for teachers or other professionals, did they receive: (please check the appropriate responses)
  - a. An initial degree
    b. An advanced degree
    c. An initial certificate
    d. College credit
    e. Credit towards salary advancement
  - f. None of the above

THANK YOU FOR YOUR TIME AND EFFORT. PLEASE RETURN THIS INSTRUMENT IMMEDIATELY IN THE ENVELOPE PROVIDED.

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## APPENDIX B

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#### AMERICAN MANAGEMENT CENTER

PROJECT NO. PA	_ DATE
TITLE:	-
INTERVIEWER	
PERSON INTERVIEWED:	
NAME	
TITLE	
LOCATION	

#### NOTES

The person interviewed may not be the same person who filled out the questionnaire.

In any event, indicate that the purpose of the site visit is to gain additional information and to give the project personnel an opportunity to make comments and share information and thoughts that may or may not be brought out by the questionnaire.

Be sure to indicate that the personal interview is not a substitute for the questionnaire or vice versa.

Assume that the person being interviewed has actually only allocated, in his schedule for that day, one to two hours that you asked for. Therefore, do not use up a lot of time with small talk, such as the weather, traffic, countryside, the buildings, his/ her office, etc. They will be waiting for and expecting you to get to the point.

Don't allow yourself to be interrupted by a phone call for <u>you</u>. Make sure that, if and only absolutely necessary, messages are left for you to be picked up <u>after</u> interview.

A friendly smile may help to set the tone instead of the small talk routine. Use a friendly and relaxed style. Do not act as an interrogator. If the person being interviewed shows the slightest indication of getting up tight from a certain question then take another route or drop it.

Opening questions are extremely important. Although you are seeking specific data the person being interviewed should feel free to talk and not feel restricted to certain responses. He should feel that you are listening to, concerned about or interested in the things he feels like talking about.

Nonetheless, within this framework, get the data you need.

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Good luck and happy interviewing!

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Opening (suggested)

- 1. Mr./Mrs. I have read the abstract of your program (P. A. R. M.) and I wonder if you would mind sharing with me some of your personal feelings concerning the program.
  - (a) Did you enjoy being involved in this project?
  - (b) Do you think it had any impact in (depends on type of project)
    - (1) Meeting the needs of students (How?)
    - (2) Meeting the needs of adults (How?)
    - (3) Professional growth of staff persons (How?)
    - (4) Creating new materials (How?)
    - (5) Developing new methods or approach (How?)
- 2. In what areas do you feel the program made a ripple effect on the educational system (Please explain) -
  - (1) Student-achievement
    - Motivation
    - Awareness
  - (2) Teacher performance (teaching)
    - Attitude (ask for indicators of change)

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(Cont'd. on next page)

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### (3) Curricular improvements

Direct

Indirect

Actual

Projected

(4) Parental involvement

**Community Reaction** 

**Community Understanding** 

**Community Cooperation** 

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3. Would you like to see this program

- (a) Repeated
- (b) Continued

(c) Expanded

(d) Revised

(e) Discontinued

(Cont'd. on next page)

IF ANSWER TO NO. 3 IS A, B, C OR ESPECIALLY D, THEN ASK:

4. What would you like to see to make the program more successful re:

- (a) Students
- (b) Staff
- (c) Materials
- (d) Curriculum
- (e) System improvement

5. How could State Department of Education help in this effort

- (a) Additional funds for what purpose(s)
- (b) Program guidance
- (c) Professional resources
- (d) More on-site visits
- (e) Department of Education (State-R.C.U. and others) feedback on regular basis
- 6. Physical identification of objectives (if not, reasons if in objectives of the proposal)
  - (a) New shop layout
  - (b) Staff trained and performing

(Cont'd. on next page)

- (c) Studen' status after program
- (d) Curricular materials
- (e) Report
- (f) In house evaluations
- (g) Other
- 7. Do you have any other comments that you would like to share with us?

After formal part of interview is over, close up material, etc. Before leaving, like after handshake, casually ask: WHAT WOULD BE THE REACTION OF THE LOCAL SCHOOL BOARD TOWARDS USING AN INCREASED AMOUNT OF THEIR OPERATING BUDGET FOR THIS PROJECT. (Just a measure of how program is perceived by local Board.)

Write the answer to this one later on, out of sight of interviewee.

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### APPENDIX C

### MULTIPLE REGRESSION ANALYSES

Note: Please use the appropriate key found in Table 1.

The proper key number is found directly under the group identification listing that is located under the table number.

### Content

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## <u>Tables</u>

Total Group	2 - 23
Size of Community	24 - 112
Type of Community	113 - 178
Type of Program	179 - 222

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### TABL

KEYS TO BE USED TO IDENTIFY INDEPENDENT AND DEPENDENT VA

		I	Key #	1	1.	(ey #	2	l K	ley ø3	3	1	Key #	4	1	Key ø	5	l K	ey el	6	; 1	Key
	Variable Titles	Var.	ind.	Dep.	Var.	ind.	Dep.	Var.	ind.	Dep.	Var.	ind.	Dep.	Var.	ind.	Dep.	Var.	ind.	Dep.	Var.	Inc
Q-	0.																				
	Length of Project	1		x	1	x		1	x	:	1	x		1	x		1	x		1	x
5	Mean of Prime Objectives	2	x		2		x				2		x	ł			Į				
6	Mean of Unexpected Outcomes	3	x		3		x				3		x								
8	Influencing Educational Practices							·													
a	Building	4	x		4		x				4		x				1				
t	Local Community	5	x		5		x				5		x								
c	County Level	6	x		6		x				6		x								
c	l State	7	x		7		x							2		x					
	National	8	<b>X</b> .		8		x							3		x					
10a	Mean Source of Internal Influence	9		x	9	x		2	x		7	x		4	x		2	x		2	x
10	Mean Source of External Influence	10		x	10	x		3	x		8	x		5	x		3	x		3	x
13	Satisfaction Generated in:										1										
	Trainee	11	x		11		x							6		x					
I	Participants — other than traince	12	x		12		x							7		x					
	School Building Personnel	13	x		1		x							8		x					
	School System	14	x		14		x										4		x		
· (	County System	15	x		15		x										5		x		
. 1	R.C.U	16	x					4		x							6		x		
9	3 State Department of Ed.	17	x					5		x							7		x		
14	Changes in Attitude																				
i	Purpose or Thrust	18	x					6		x							8		x		
I	Voc. Ed. in General	19	x					7		x										4	
	Education in General	20	x					8		x										5	
	d The World of Work	21	x					9		x										6	
·	Themselves	22	x		ľ			10		x										7	
• 1	Others (peers)	23	x					11		x										8	
. 1	g Others (non-peers)	24	x		Ì			12		x											
15	Ultimate Effects in Targeted Population -	25	x					13		x											
16	b R.C.U. Funding	26		x	16	x		14	x		9	x		9	x		9	x		9	>
16	c Adequacy of R.C.U. Funding	27		x	17	x		15	x		10	x		10	x		10	x		10	>
18	Per Unit Costs	28		x	18	x		16	x		11	x		11	x		11	x		11	>
20	Mean Assistance Received.	29		x	19	x		17	x		12	x		12	x		12	x		12	>
25	B Effectiveness of Voc. Ed. Advisory Council	30		x	20	x		18	x		13	x		13	x		13	x		13	>

1. Keys 12–19 Not Used. Only Variable Numbers Used In Keys 20–27.

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Full Fext Provided by ERIC

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### TABLE 3 TOTAL GROUP KEY 1

### SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 3

# COEFFICIENT OF DETERMINATION0.0862MULTIPLE CORR. COEFFICIENT0.2935

			ANCE FOR TH	<u>E MULTIPLE</u>				
Sc	GURCE GF VARI		REGRESSION D.F. SI	UM OF	MEAN	F	p.	
					SCUARES	VALUE		
ETUR	REGRESSION	••••••		.45436	0.31179	1.0488	n.s.	
VIATIO	CN ABOUT REGR			• 4 5 7 4 0	0.29727			
		TGTAL	97 28	.95177				
A LABLE	E PÊAN	STD.	REG.	STO.ERROR	CUMPUTED	PARTIAL	Sum Dr. Co.	
NU.		DEVIATION		OF REG.COE		CURR. COE.	ALUED	
1	1.55102	C.82640	0.07689	0.07216	1.0055	0.11223	0.87263	CUM. J.03014
9	4.95040	1.36724	0.03618	0.04531	Ú.79859	0.08435	J.56305	0.0194
10	3.92400	1.66624	0.02320	0.03889	0.59673	0.06313	0.17560	0.0060
26	34108.25391		0.00000	0.00000	0.83087	0.08773	0.30543	0.01202
27	2.35796	1.65280	0.02639	0.03751	0.70309	0.07438	0.32764	3.01132
28	948.74487	5313.11328	-0.0000	0.00032	-0.22283	-0.02361	0.02288	1.00079
29	2.23867	1.00744	0.04665	0.06588	0.70817	0.07485	0.16714	0.00577
30 - 3	1.96939 U.44939	1.89657 0.54633	0.00003	0.03530	J.0007a	80030-0	0.00000	0.0000
	-E SIZE 9 IDENT VARIAE	8 BLE IS NOW N	0.4	TOTAL	COE	EY 1 FFICIENT OF I TIPLE CORR.	DETERMINATION	0.3664 0.6053
	ANAL		ANCE FUR TH	E HULTIPLE		_	_	
•			REGRESS ION					
SC	<u>OURCE OF VARI</u>	ATICN		UM OF	MEAN	<u> </u>	<u> </u>	
	DECHESSICN				SQUARES	VALUE	<.01	
	<u>REGRESSICN</u> On about regr				<u>34.19153</u>	6.4335	<u> </u>	
VIAIIC	N ABUUT KEUK	TOTAL		.99854 .53076	5.31459			
						•• •• ••		
RIABLE	<u>E MEAN</u>	STO.	REG.	STD.ERROR	COMPUTED		SUM OF SQ.	PRUP. VAP
ND.		OEVIATION		OF REG.COE		CORR. COE.	ADOED	CUM.
1	1.55102	<u>(.82640</u>	0.00242	0.30512	0.00792	0.00084	23.41930	0.03137
10	4.95640	1.36724	-0.14509	0.19158	-0.75734	-0.08002	15.62826	J.+02093
26	<u>3.92406</u> 341C8,25351	1.66624	0.66658	0.16442	4.05417	J. 39483	32.91206	0.17804
27	2.89796	1.65280	0.00001	0.00000	1.94934	0.23235	24.31644	0.0325
28	548.74437	3313.11328	0.00006	0.15859	1.16749	0.12282	20.89192	0.03602
	2.23867	1.00744	0.00008	0.00007 0.27854	0.83715	0.08839	5.57724	0.0074
	1.96939	1.89657	0.40387	0.14526	<u>0.10667</u> 2.70539	0.01131	<u> </u>	0.05212
		3 -3/34					30171204	
29	4.12245	2.77420						
29 30	4.12245	2.11420.	TABLE 5	TOTAL	GROUP KE	Y 1		
29 30 4			TABLE 5	TOTAL				
29 30 4		2.11420 98	TABLE 5	TOTAL	COE	FFICIENT OF I		0. 3836
29 30 4 SAMPI		98		TOTAL	COE	FFICIENT OF I	DETERMINATION COEFFICIENT	
29 30 4 SAMPI	LE SIZE	98		TOTAL	COE		DETERMINATION	0, 3836 0, 6194
29 30 4 SAMPI	LE SIZE	98 BLE IS NOW N Y5 IS OF VAR	O. 5 Iance fur th		COE	FFICIENT OF I	DETERMINATION COEFFICIENT	
29 30 4 SAMPI DEPEN	LE SIZE NDENT VARIAR ANAL	98 BLE IS NOW N Y <u>5 IS OF VAR</u> LINEAR	O. 5 I <u>ance fur th</u> i regression	E MULTIPLE	COE MUL	FFICIENT OF I TIPLE CORR.	COEFFICIENT	
29 30 4 SAMPI DEPEN	LE SIZE	98 BLE IS NOW N Y <u>5 IS OF VAR</u> LINEAR	O. 5 I <u>ANCE FUR TH</u> REGRESSION O.F. SI	E MULTIPLE_	COE MUL MEAN	FFICIENT OF I TIPLE CORR.	DETERMINATION COEFFICIENT	
29 30 4 SAMPI DEPEN	LE SIZE NDENT VARIAR ANAL OURCE OF VARI	98 3LE IS NOW N <u>Y5 IS OF VAR</u> LINEAR ATIGN	O. 5 I <u>ANCE FUR TH</u> I REGRESSION O.F. SU	E MULTIPLE UM OF UARES	COE MUL MEAN SQUARES	FFICIENT OF I TIPLE CORR.	COEFFICIENT	
29 30 4 SAMPI DEPEN 	LE SIZE NDENT VARIAR ANAL	98 BLE IS NOW N YS IS OF VARI LINEAR ATION	O. 5 <u>IANCE FUR TH</u> <u>₹EGRESSION</u> <u>0•F• Su</u> <u>Su</u>	E MULTIPLE UM OF UARES	COE MUL MEAN	FFICIENT OF I TIPLE CORR.	COEFFICIENT	

VARIABLE	E MEAN	STO.	REG.	STD.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	A00E0	CUM.
1	<u> </u>	C.82640	0.01163	0.27547	0.04222	0.00448	19.01337	0.03040
9	4.95640	1.36724	-0.03063	0.17296	-0.17707	-0.01877	20.77205	0.03321
10	3.92406	1.66624	0.51432	0.14844	3.46434	0.34476	74.54187	0.11918
26	34108.25391	53618.60547	0.00001	0.00000	1.33293	J.13990	11.73689	0.01876
27	2.89796	1.65280	0.40380	0.14317	2.82036	0.28643	63.79105	0.10199
28	548.74487	3313.11328	-0.00010	0.00006	-1.51274	-0.15833	6.89960	0.01103
	2.23867	1.00744	-0.14319	0.25147	-0.56941	-0.06325	0.99769	0.00160
30	1.96939	1.89657	0.42060	0.13475	3.12136	0.31412	42.20351	0.06747
5	4.60204	2,53934					42420331	0.00/4/

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#### TABLE 6TOTAL GROUPKEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 6

#### COEFFICIENT OF DETERMINATION 0.2383 MULTIPLE CORR. COEFFICIENT 0.4881

DEPEN	DENT VARIAE	LE IS NOW NO	. 6			MULTI	PLE CORR.	<b>COEFFICIENT</b>	0.4881
	ANA	LYSIS OF VAR	IANCE	FOR THE	MULTIPLE			_	
		LINEAR	REGRE	ESSION					
S	SOURCE CF VAR	IATICA.	0.F.	SL	JM UF	MEAN	F	þ	
				SQL	JARES	SQUARES	VALUE		
NE TO	REGRESSION		8	144.	28383	18.03548	3.4799	<.01	
EVIATI	ION ABOUT REC	RESSIGN	89		26709	5.18278	•		
		TOTAL	97		551 03				
AR I <u>A81</u>	LE MEAN	STO.		REG.	STO.ERROR	COMPUTEO			PROP. VA
NO.		OEVIATIO	N C	CUEFF.	OF REG.COE	T VALUE	CURR. CO	E. A00E0	CUN.
1	1.55102			<u>15296</u>	0.30132	0.50764	<u> </u>		0.0245
9	4.9564(	1.36724	-0.	. 38364	0.18919	-2.02781	-0.21015	0.00890	0.0000
10	3.92406	1.66624	0	.63175	0.16237	3.89090	0.38128	97.14598	0.1604
26	34108.25391	53618.60547	0	.00001	0.00000	1.22601	0.12887	11.23050	0.0185
27	2.89796	1.65280	0	18612	0.15661	1.18846	0.12499	14.47611	0.0239
28	948.74487	3313.11328	-0	.00001	0.00007	-0.09581	-0.01015	0.00460	0.000
29	2.23867	1 1.00744	0.	.02136	0.27507	0.07765	0.00823	1.00932	0.0016
30	1.96939	9 1.89657	0.	15261	0.14739	1.03557	0.10909	5.55595	0.0091
6	3.32653	<u>3 2.49856</u>							
SAMPL	E SIZE 9	98		TAB	LE 7 T(	OTAL GROUP		<b>DETERMINATION</b>	0. 1440
		BLE IS NOW NO	). 7			MULT	IPLE CORR.	COEFFICIENT	0. 3795
	AN	ALYSIS OF VAR	IANCE	FUR TH	E MULTIPLE				
		LINEAR							
	SOURCE OF VAL	RIATION	C.F.		UM OF	MEAN	F	P	
					JARES	SQUARES	VALUE		
DUE TO	REGRESSION		8		.84033	10.60504	1.8717	<u>n.s.</u>	
	TON ADOUT DE	GRESSIGN	89	504	.26172	5.66586			
	LÂN MOODI KEI	TOTAL	97		.10205				

VARIABLE	E MEAN	STO.	REG.	STD.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AODED	CUM.
1	1.55102	C.82640	0.25625	0.3150%	0.81338	0.08590	8.21396	0.01394
9	4.95640	1.36724	0.02642	0.1578;	0.13354	0.01415	15.01593	0.02549
10	3.92406	1.66624	0.51833	0.1697	3.05319	0.30791	55.90181	0.09489
26	34108.25391	53618.60547	0.00000	0.00000	0.10818	0.01147	0.01139	0.00002
27	2.89796	1.65280	-0.12838	0.16374	-0.78404	-0.08282	4.89753	0.00831
28	948.74487	3313.11328	-0.00002	0.00007	-0.20623	-0.02186	0.30976	0.00053
29	2.23867	1.00744	0.02158	0.28760	0.07503	0.00795	0.00282	0.00000
30	1.96939	1.89657	-C.04520	0.15411	-0.29327	-0.03107	0.48729	0.00083
7	3.73469	2.46439						

TABLE8TOTAL GROUPKEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 8

# COEFFICIENT OF DETERMINATION0.1960MULTIPLE CORR. COEFFICIENT0.4427

		FOR THE MULTIPLE	_			
LINEAR	REGRES	SSION				
SOURCE OF VARIATION	0.F.	SUM OF	MEAN	F	р	
		SQUARES	ŜQUAREŜ	VALUE		
OUE TO REGRESSION	8	108.22324	13.52790	2.7115	<.01	
DEVIATION ABOUT REGRESSION	89	444.02173	4.98901	•		
TOTAL	97	552.24512				

VARTABLE	E PEAN	STO.	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		OEVIATION	COEFF.	OF REG.CUE.	T VALUE	CORR. COE.	A00E0	CUM.
1	1.55102	C.82640	0.15036	0.25563	0.50862	0.05384	10.39787	0.01883
9	4.95640	1.36724	-0,24516	0.18562	-1.32075	-0.13865	0.27681	9.00050
<u>    10                                </u>	3.92406	1.66624	0.44567	0.15930	2.79760	0.28431	47.47299	0.08596
26	34108.25391	53618.60547	0.00000	0.00000	0.77647	0.08203	8.36441	0.01515
	2.89796	1.65280	0.32570	0.15365	2.11971	0.21922	35.06853	0.06350
28	948.74487	3313.11328	-0.00005	0.00007	-0.77650	-0.08203	3.12547	0.00566
29	2.23867	1.00744	0.14443	0.26988	0.53518	0.05664	2.56942	0.00465
30	1.96939	1+89657	0.06304	0.14461	0.43591	0.04616	0.94799	0.00172
8	2.55102	2.38605						

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 11

# COEFFICIENT OF DETERMINATION0.1719MULTIPLE CORR. COEFFICIENT0.4146

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NO.         DEVIATION         COEFF         ∴ REG_COE         T VALUE         CUEX; CuE.         Z           1         L55102         C.22640         O.226412         O.13907         1.82733         O.10916           9         4.95640         1.66624         O.02551         O.13907         1.82733         O.10916           20         3.9246         0.65540         O.00000         0.11512         O.27398         O.09986           26         34.108.25391         53618.60547         O.00000         0.01000         1.20614         O.12662           27         2.28976         1.607440         O.34126         O.202759         -0.17988           29         2.22867         1.00744         O.34126         O.202759         -0.10766         O.11611           30         1.56533         1.89757         -0.03255         O.16235         -0.30046         -0.03183           11         4.01020         1.76153         O.16235         O.12035         -0.30046         -0.03183           11         4.01020         1.76153         O.16235         O.20070         MULTIPLE         O.00016           20         A.96049         S.27337         I.0796         n.5           DUE TO			
SQUARES         SQUARES         VALUE         VALUE           DUE TO REGRESSION			
DUE TO REGRESSION			
TUTAL         97         300.98999           VARIABLE         PEAN         SIC.         REG.         IDLERROR         COMPUTED         PARTIAL         SUM           NO.         1.25102         C.28240         0.16933         0.22149         0.12234         0.0655           10         1.25202         C.282470         0.06030         0.12213         0.10655           26         34108.2591         5310.6.05547         0.00000         0.01030         0.222614         0.01798           27         2.289776         1.00746         0.34126         0.20219         1.69776         0.17611           30         1.65930         1.00746         0.34126         0.20219         1.69776         0.17611           30         1.66933         1.49657         -0.03255         0.12835         -0.30046         -0.3183           11         4.01020         1.76153         TABLE 10         TOTAL GROUP         KEY 1           SAMPLE SIZE         98         COEFFICIENT OF DETERMIN         MULTIPLE CORR. COEFFIC         -0.30183           11         4.01020         AFRIALE         SUMARES         SUMARES         SUMARES           DEPENDENT VARIABLE IS NOW NO.         12         MULTIPLE CORR. COEFFICIENT	5		
VARIABLE         FEAN         SIC.         REG.         ID.ERROR         CDMPUTED         PARTIAL         SUM           NO.         DUVIATION         CUEFF.         3F REG.CGE.         Y ALUE         CURK.CUL.         4           1         1.55102         C.62640         0.16053         0.22149         0.12733         0.10016         2           3         4.95640         1.36724         0.26412         0.13930         0.26144         0.10862           20         34108.25346         3011.66627         0.00000         0.00000         1.26614         0.12622           28         948.7467         31.11327         0.00000         1.46975         -0.03905           29         2.23667         1.00744         0.32126         0.40215         1.46976         -0.17611           30         1.46937         1.00744         0.3255         0.10835         -0.03046         -0.03163           11         4.01020         1.76153         TABLE         10         TOTAL GROUP         KEY I           SAMPLE SIZE         98         COEFFICIENT OF DETERMIN         MULTIPLE CORR.COEFFIC         MULTIPLE         CORF.CORR.COEFFIC           SAMPLE SIZE         98         4.216098         5.27337			
NO.         DUVIATION         CUEFF.         JF AEG.COE.         VALUE         CUER. CUL.         CUER. CUL.           1         1.55102         C.82640         D.22149         D.72243         D.019016         D.72243         D.019016         D.72243         D.019016         D.72243         D.019016         D.72243         D.019016         D.72243         D.019016         D.72243         D.19246         D.1935         D.54949         D.12051         D.71933         D.11012         D.72446         D.01806         Z         D.72446         D.72330         D.11512         D.7598         D.01432         Z         D.72444         D.72438         D.71611         D.72678         D.71611         D.72678         D.72678         D.71611         D.72678         D.71611         D.71611			
No.         DULTITION         CUEFF.         3F AEG.COE.         I VALUE         CUEF. CUL.         I.           1         1.55102         C.82640         0.15043         0.22149         0.72233         0.10916           9         4.95400         1.36724         0.25412         0.13907         1.82733         0.10916           20         3.92466         1.665240         0.06551         0.11935         0.54845         0.05580           26         34106.25391         53618.60547         0.00000         0.00000         1.20614         0.12622           27         2.69796         1.60744         0.34126         0.20203         0.11512         -0.7559         -0.17638           28         2.446.7447         3313.11328         -0.00010         0.00000         -1.84515         -0.16131           30         1.46957         1.00744         0.34126         0.22249         -0.23004         -0.03046           29         2.23667         1.00744         0.34126         0.20265         -0.30046         -0.03183           11         4.01020         1.76153         1.00744         0.34106         0.27337         1.7996         n.9.7           2010         AGREGESSION         0.212607 </td <td></td> <td></td>			
No.         DCVIATION         COEFF.         JF REG.CGE.         T VALUE         CURF. (DL.         JE           1         1.55102         C.22464         0.169043         0.22434         0.07555           9         4.95640         1.36724         0.25412         0.13907         1.82733         0.1016         2           10         3.92466         1.66524         0.065510         0.11532         0.54844         0.05508           26         34108.25391         55618.60547         0.00000         0.010512         -0.07388           28         948.74487         3313.11328         -0.00000         0.00000         -1.84515         -0.17988           29         2.23867         1.60744         0.34126         0.20219         1.68776         0.17611           30         1.760539         1.89557         -0.30255         0.16835         -0.30046         -0.03183           11         4.01020         1.76153         -0.030255         0.16835         -0.30046         -0.03183           11         4.01020         1.76153         -0.76038         -0.73373         1.7996         0.7575           201         ARLÝSIS OF VARIANCE FOR THE HULTIPLE         UIKEAR         REGRESSION         SUNETP </td <td>SUM OF SU.</td> <td>PROP. VA</td>	SUM OF SU.	PROP. VA	
9       4.95640       1.36724       0.25412       0.13907       1.62733       0.1016         20       3.92466       1.66624       0.00530       0.11935       0.54845       0.10538         26       34108.25391       5361.8.60547       0.00000       0.00000       1.20614       0.12622         27       2.89796       1.652.80       -0.07388       0.11512       -0.7538       -0.17988         28       948.74487       331.3.11328       -0.00010       0.00000       -1.84515       -0.19195       1         30       1.469537       1.00744       0.34126       0.20219       1.68776       0.11611         30       1.46039       1.89557       -0.03255       0.10635       -0.30046       -0.03183         11       4.01020       1.76153       0.10649       .22737       1.00744         DEPENDENT VARIABLE IS NOW NO.       12       MULTIPLE CORR. COEFFIC       MULTIPLE         SAMPLE SIZE       98       COEFFICIENT OF DETERMIN         SOURCE OF VARIATION       0.F.       SUM OF       HEAN       F       P         DUE TO BEGRESSION       SUMARES       SOUARES       VAUE       0.10160       0.10217         SUM OF       HEAN	ADDED	L.UM.	
10         3.92466         1.66624         0.10351         0.11935         0.54864         0.05808           26         34108.25391         35018.60547         0.00000         0.20010         0.20010         0.20010         0.20021         1.26414         0.12642           27         2.89796         1.65280         -0.00703         0.11512         -0.75598         -0.07988           28         948.7447         3131.11228         -0.0010         0.0005         -1.86415         -0.17611           30         1.56639         1.800757         -0.33255         0.12635         -0.30046         -0.0313           11         4.01020         1.76153         TABLE         10         TOTAL GROUP         KEY 1           SAMPLE SIZE         98         COEFFICIENT OF DETERMIN           DEPENDENT VARIABLE IS NOW NO.         12           MULTIPLE CORR.COEFFIC           AMALÝSIS OF VARIANCE FOR THE HULTIPLE           LINEAR REGRESSION           SUM OF         MEAN         F           P           DURGE OF VARIATION         OFFART         SUMOR         SUMARES         SUMARES         SUARES         VALUE <td co<="" td=""><td>5.71021</td><td>0.0189</td></td>	<td>5.71021</td> <td>0.0189</td>	5.71021	0.0189
26         34 108.25391         334 B. 40547         0.00000         0.00000         1.20614         0.12642           27         2.89796         1.65280         -0.00703         0.1152         -0.75598         -0.07888           28         948.74487         3313.11328         -0.00010         0.00005         -1.64515         -0.179786           29         2.23867         1.00744         0.34126         0.20219         1.68776         0.17611           30         1.466339         1.89657         -0.03255         0.16835         -0.30046         -6.03183           11         4.01020         1.76153         TABLE         10         TOTAL GROUP         KEY 1           SAMPLE SIZE 98           DEPENDENT VARIABLE IS NOW NO. 12           MULTIPLE CORE CORP. KEY 1           SAMALYSIS OF VARIANCE FOR THE MULTIPLE           LIFARM F           P           SUBURCE OF VARIATION         D.F.         SUGARES         SUGARES         VALUE         P           SUBURCE OF VARIATION         D.F.         SUGARES         SUGARES         VALUE         P         P           SUBURCE OF VARIANCE FOR THE MULTIPLE         CORPUT	20.20224	0.0671	
27         2.89796         1.1522         -0.73598         -0.73598           28         94.7447         3313.11328         -0.0010         0.0005         -1.64515         -0.17988           29         2.23867         1.00744         0.34126         0.20219         1.64515         -0.17638           30         1.46639         1.00744         0.34126         0.20219         1.64766         0.17611           30         1.46639         1.90744         0.34126         0.20219         1.64876         0.17611           30         1.46639         1.90745         -0.33055         0.16835         -0.30046         -0.03183           11         4.01020         1.76153         TABLE         10         TOTAL GROUP         KEY 1           SAMPLE SIZE         98         COEFFICIENT OF DETERMIN         MULTIPLE CORR.00E PARTIAL         SUM           DEPENDENT VARIABLE IS NOW NO.         12         MULTIPLE CORR.00E VARIANCE FOR THE HULTIPLE         ILAEAR REGRESSION         SUMARES         SQUARES         SQUARES <td>1.81836</td> <td>0.0060</td>	1.81836	0.0060	
28         948.74487         3313.11328         -0.00010         0.00005         -1.64515         -0.10105           30         1.46939         1.09657         -0.03255         0.16835         -0.30046         -0.03183           11         4.01020         1.76153         TABLE         10         TOTAL GROUP         KEY 1           SAMPLE SIZE 98           COEFFICIENT OF DETERMIN DEPENDENT VARIABLE IS NOW NO.           SAMPLE SIZE 98           COEFFICIENT OF DETERMIN MULTIPLE CORR. COEFFIC           LANALYSIS OF VARIANCE FOR THE HULTIPLE           LINEAR REGRESSION           SQUARES VALUE           LARALYSIS OF VARIANCE FOR THE HULTIPLE           LINEAR REGRESSION           SQUARES VALUE           LINEAR REGRESSION           SQUARES VALUE           LINEAR REGRESSION           SQUARES SUANCE VALUE           LINEAR REGRESSION           NOP           ACOMOPTED PARTIAL SUM           NO P           SQUARES SUANCE VALUE           LINEAR REGRESSION            COMPUTED PARTIAL SUM<	4.33059	0.0143	
29         2.23867         1.00744         0.34126         0.20219         1.68736         0.17611           30         1.66937         -0.03255         0.16835         -0.30046         -0.03183           11         4.01020         1.76153         TABLE         10         TOTAL GROUP         KEY 1           SAMPLE SIZE         98         COEFFICIENT OF DETERMIN           MULTIPLE CORR. COEFFIC	0.24797		
30       1.66939       1.49657       -0.03285       0.12835       -0.30266       -0.03183         11       4.01020       1.76153       TABLE 10       TOTAL GROUP       KEY 1         SAMPLE SIZE 98         COEFFICIENT OF DETERMIN         MULTIPLE SIZE 98         COEFFICIENT OF DETERMIN         MULTIPLE CORR. COEFFIC         ANALÝSIS OF VARIAION D.F.         SUM OF MEAN F P	11.26383		
11       4.01020       1.76153       TABLE 10       TOTAL GROUP       KEY 1         TABLE 10       TOTAL GROUP       KEY 1         SAMPLE SIZE 98       COEFFICIENT OF DETERMIN         DEPENDENT VARIABLE IS NOW NO. 12       MULTIPLE CORR. COEFFIC         ANALÝSIS OF VARIANCE FOR THE HULTIPLE         LINEAR REGRESSION         SUMRES SQUARES VALUE         DEVIATION D.F. SUM UF MEAN F P         SUMRES SQUARES SQUARES VALUE         DEVIATION BOUTED FOR THE HULTIPLE         LINE FOR REGRESSION         SUMRES SQUARES SQUARES VALUE         NUE IO REGRESSION         NE TO REGRESSION         SUM DE MEAN         NE SUM UF         NETO REGRESSION         NUE IO REGRESSION         NO.         COMPUTED PARTIAL SUM         NO.         NUE IO REGRESSION         NO.         NUE IO REGRESSION         NO.         NUE IO REGRESSION         NO.         NUE IO REGRESSION <tr< td=""><td>7.92456</td><td>0.0263</td></tr<>	7.92456	0.0263	
SAMPLE SIZE         98         COEFFICIENT OF DETERMIN MULTIPLE CORR. COEFFIC           DEPENDENT VARIABLE IS NOW NO.         12         MULTIPLE CORR. COEFFIC           ANALYSIS         OF VARIANCE FOR THE MULTIPLE         MULTIPLE CORR. COEFFIC           SURCE OF VARIATION         D.F.         SUMARES         SQUARES         VALUE           SURCE OF VARIATION         D.F.         SUMARES         SQUARES         VALUE           NO.         SQUARES         SQUARES         VALUE         N.S.           VEVIATION         ABOUT REGRESSION         89         260.00298         2.93037           ICTAL         97         302.93099         2.93037         1.7996         n.S.           VARIABLE         MEAN         STO         REG.         STOERROR         COMPUTED         PARTIAL         SUM           NO.         DEVIATION         COEFF.         OF REG.CDE.         VALUE         CURK. COE.         A           1         1.55102         C.82640         0.40172         0.42265         0.10217         1.329240         1.4529         0.11071         1.329240         1.4529         0.110725         0.10217         1.3294         0.00000         1.22617         0.20217         1.30906         1.229         2.23867 <td>0.25281</td> <td>0.0008</td>	0.25281	0.0008	
DEPENDENT VARIABLE IS NOW NO. 12         MULTIPLE CORR. COEFFIC           MULTIPLE CORR. COEFFIC           LINEAR REGRESSION           SUURCE OF VARIATION         D.F.         SUU OF         MEAN         P           SUURCE OF VARIATION         D.F.         SUU OF         MEAN         F         P           DUE TO REGRESSION			
DEPENDENT VARIABLE IS NOW NO. 12         MULTIPLE CORR. COEFFIC           MULTIPLE CORR. COEFFIC           SUPENDENT VARIABLE IS NOW NO. 12           MULTIPLE CORR. COEFFIC           SUP OF VARIATION D.F. SUM OF MEAN F P           NUE TO REGRESSION		_	
ANALYSIS OF VARIANCE FOR THE HULTIPLE           LINEAR         REGRESSION           SOURCE OF VARIATION         0.F.           SUM OF         MEAN           SUB TO REGRESSION		0.1392	
LINEAR REGRESSION SOURCE OF VARIATION D.F. SUM OF MEAN F P SQUARES SQUARES VALUE SQUARES VALUE ULT DI REGRESSION	FICIENT	0.3731	
LINEAR REGRESSION SOURCE OF VARIATION D.F. SUM OF MEAN F P SQUARES SQUARES VALUE SQUARES VALUE ULT DI REGRESSION			
SQUARES         SQUARES         VALUE           SQUARES         VALUE         0.5.           SQUARES         SQUARES         VALUE           SQUARES         SQUARES         VALUE           SQUARES         SQUARES         VALUE           SQUARES         SQUARES         SQUARES			
DUE         TO         REGRESSION	,		
DEVIATION         ABOUT         REGRESSION         89         260.00298         2.93037           ICTAL         97         302.93999         302.93999           CARLABLE         HEAN         STD.         REG.         STD.ERROR         COMPUTED         PARTIAL         SUM           NO.         DEVIATION         COEF.         0FREG.COE.         T         VALUE         CURK.COE.         A           1         1.55102         C.82640         0.06175         0.22657         0.27252         0.10288           9         4.95640         1.36724         0.14226         1.00725         0.10617         1           10         3.92406         1.66624         0.2099         0.12209         1.7159         0.17895         1           26         34108.25391         53618.60547         C.00000         0.00005         -1.16748         -0.12282           27         2.49795         1.65280         -0.02013         0.11083         -0.18166         -0.01925           28         948.74487         3313.11328         -0.02013         0.11083         -0.18166         -0.01925           12         4.01620         1.76737         TABLE 11         TOTAL GROUP         KEY 1			
TCTAL         97         302.98999           ARIABLE         MEAN         STD.         REG.         STD.ERROR         COMPUTED         PARTIAL         SUM           No.         DEVIATION         COEFF.         OF REG.COE.         T         VALUE         CURK.COE.         A           1         1.55102         C.82640         0.06175         0.22657         0.27252         0.02888           9         4.95640         1.36724         0.14329         0.14226         1.00725         0.10617         I           10         3.92406         1.66624         0.20949         0.12209         1.71589         0.17895         1           26         34108.25319         53618.60547         C.00000         0.00000         1.42617         0.13096           27         2.699796         1.65280         -0.02352         0.11776         -0.19976         -0.02117           28         948.74487         313.11328         -0.00006         0.2005         -1.16748         -0.12282           29         2.23867         1.00744         0.21758         0.20013         0.11082         -0.011082           30         1.96939         1.89657         -0.02013         0.11083         -0.18166	<u> </u>		
ARIABLE         MEAN         STD.         REG.         STD.ERROR         COMPUTED         PARTIAL         SUM           NO.         DEVIATION         COEFF.         OF REG.COE.         T VALUE         CURK.COE.         A           1         1.55102         C.82640         0.06175         0.22657         0.27252         0.02888           9         4.95640         1.36724         0.14226         1.00725         0.10617         1           10         3.922406         1.66624         0.20949         0.12209         1.71589         0.17895         1           26         34108.25391         53618.60547         C.00000         0.00000         1.24617         0.13096           27         2.89796         1.65280         -0.02352         0.11776         -0.19776         -0.02117           28         948.74467         3313.11328         -0.02013         0.11083         -0.18166         -0.01925           30         1.96959         1.89657         -0.02013         0.11083         -0.18166         -0.01925           12         4.01020         1.76737         TABLE 11         TOTAL GROUP         KEY 1           TABLE SIZE 98           DUP FO REGRESION         0.F			
NO.         DEVIATION         COEFF.         OF REG.COE.         TVALUE         CURK.COE.         A           1         1.55102         C.82640         0.06175         0.22657         0.27252         0.02886         1           9         4.95640         1.36724         0.14329         0.14226         1.00725         0.10617         1           10         3.92406         1.66624         0.20949         0.12209         1.71589         0.17895         1           26         34108.25391         53618.60547         C.00000         0.00000         1.24617         0.13096           27         2.69796         1.65280         -0.02352         0.11776         -0.1975         -0.022017           28         948.74487         3313.11328         -0.00006         0.00005         -1.16748         -0.12282           29         2.23867         1.00744         0.21758         0.20683         1.05197         0.11082           30         1.96959         1.89657         -0.02013         0.11083         -0.18166         -0.01925           12         4.01020         1.76737         TABLE         11         TOTAL GROUP         KEY 1            0.97         4.98			
N0.         DEVIATION         COEFF.         OF REG.CDE.         TVALUE         CURK.CDE.         A           1         1.55102         C.82640         0.06175         0.22657         0.27252         0.02886           9         4.95640         1.36724         0.14226         1.00725         0.10617         1           10         3.92406         1.66624         0.20949         0.12209         1.71589         0.17895         1           26         34108.25391         53618.60547         C.00000         0.00000         1.24617         0.13096           27         2.89796         1.65280         -0.02352         0.11776         -0.1975         -0.022017           28         948.74487         3313.11328         -0.00006         0.00005         -1.16748         -0.12282           29         2.23867         1.00744         0.21758         0.20683         1.05197         0.11082           30         1.96939         1.89657         -0.02013         0.11083         -0.18166         -0.01925           12         4.01020         1.76737         TABLE         11         TOTAL GROUP         KEY 1           SAMPLE SIZE         98           SUN OF MEAN<			
N0.         DEVIATION         COEFF.         OF REG.CDE.         TVALUE         CURK.CDE.         A           1         1.55102         C.82640         0.06175         0.22657         0.27252         0.02886           9         4.95640         1.36724         0.14226         1.00725         0.10617         1           10         3.92406         1.66624         0.20949         0.12209         1.71589         0.17895         1           26         34108.25391         53618.60547         C.00000         0.00000         1.24617         0.13096           27         2.89796         1.65280         -0.02352         0.11776         -0.1975         -0.022017           28         948.74487         3313.11328         -0.002013         0.11083         -0.12282           29         2.23867         1.00744         0.21758         0.20683         1.05197         0.11082           30         1.96939         1.89657         -0.02013         0.11083         -0.18166         -0.01925           12         4.01020         1.76737         TABLE         11         TOTAL GROUP         KEY 1           SAMPLE SIZE         98           SUNCE OF VARIABLE IS NOW NO.	SUM OF SQ.	PROP. VA	
1       1.55102       C.82640       0.06175       0.22657       0.27252       0.02888         9       4.95640       1.36724       0.14329       0.14226       1.00725       0.10617       1         10       3.92406       1.66624       0.20949       0.12209       1.71589       0.17895       1         26       34108.25391       53618.60547       C.00000       0.00000       1.24617       0.13096         27       2.89796       1.65280       -0.02352       0.11776       -0.19976       -0.02117         28       948.74487       331.11328       -0.00006       0.00005       -1.16748       -0.12282         29       2.23867       1.00744       0.21758       0.20683       1.05197       0.11082         30       1.96939       1.89657       -0.02013       0.11083       -0.18166       -0.01925         12       4.01020       1.76737       TABLE 11       TOTAL GROUP       KEY 1         MULTIPLE         UINEAR REGRESSION         SQUARES       SQUARES       VAULE         OUE TO REGRESSION         SQUARES       VAULE         OUE TO REGRESSION <t< td=""><td>ADDED</td><td>C UM .</td></t<>	ADDED	C UM .	
9       4.95640       1.36724       0.14329       0.14226       1.00725       0.10617       1         10       3.92406       1.66624       0.20949       0.12209       1.71589       0.17895       1         26       34108.25391       53616.60547       C.00000       0.00000       1.24617       0.13096         27       2.89796       1.65280       -0.02352       0.11776       -0.19976       -0.02117         28       948.74487       3313.11328       -0.00006       0.00005       -1.16748       -0.12282         29       2.23867       1.00744       0.21758       0.20683       1.05197       0.11082         30       1.96939       1.89657       -0.02013       0.11083       -0.18166       -0.01925         12       4.01020       1.76737       TABLE 11       TOTAL GROUP       KEY 1         SAMPLE SIZE 98         COEFFICIENT OF DETERMI         DUE TO REGRESSION         SQUARES       SQUARES         SQUARES       VAUU         DUE TO REGRESSION         SQUARES       SQUARES       VAUU         OUE TO REGRESSICN	3.15164	0.0104	
10       3.92406       1.66624       0.20949       0.12209       1.71589       0.17895       1         26       34108.25391       53618.60547       C.00000       0.00000       1.24617       0.13096         27       2.89796       1.65280       -0.02352       0.11776       -0.0217         28       948.74487       3313.11328       -0.00006       0.00005       -1.16748       -0.12282         29       2.23867       1.00744       0.21758       0.20683       1.05197       0.11082         30       1.96939       1.89657       -0.02013       0.11083       -0.18166       -0.01925         12       4.01020       1.76737	14.68989	0.04841	
26       34108.25391       53618.60547       C.00000       0.00000       1.24617       0.13096         27       2.89796       1.65280       -0.02352       0.11776       -0.19976       -0.02117         28       948.7447       33.113.28       -0.00006       0.00005       -1.16748       -0.12282         29       2.23867       1.00744       0.21758       0.20683       1.05197       0.11082         30       1.96939       1.89657       -0.02013       0.11083       -0.18166       -0.01925         12       4.01020       1.76737       -       -       -       0.20683       1.05197       0.11082         TABLE 11       TOTAL GROUP       KEY 1         SAMPLE SIZE 98         DEPENDENT VARIABLE IS NOW NO. 13         MULTIPLE         UINEAR REGRESSION         SQUARES       SQUARES       SQUARES       VALUE         DUE TO REGRESSIGN	1D.94215	0.0361	
27       2.89796       1.65280       -0.02352       0.11776       -0.19976       -0.02117         28       948.74487       3313.11328       -0.00006       0.00005       -1.16748       -0.12282         29       2.23867       1.00744       0.21758       0.20683       1.05197       0.11082         30       1.96939       1.89657       -0.02013       0.11083       -0.18166       -0.01925         12       4.01620       1.76737       TABLE 11       TOTAL GROUP       KEY 1         SAMPLE SIZE 98         COEFFICIENT OF DETERMI         MULTIPLE CORR. COEFFIC         ANALYSIS OF VARIANCE FOR THE MULTIPLE         UINEAR REGRESSION         SOURCE OF VARIATION       0.F.       SUM OF       MEAN       F       p         OUE TO REGRESSION         SOURRES       SQUARES       SQUARES       VALUE         DUE TO REGRESSION         NU         OUE TO REGRESSION       8       83.37277       10.42160       3.0520       <.01	5.33115	0.0176	
29         2.23867         1.00744         0.21758         0.20683         1.05197         0.11082           30         1.96939         1.89657         -0.02013         0.11083         -0.18166         -0.01925           12         4.01020         1.76737         TABLE 11         TOTAL GROUP         KEY 1           SAMPLE SIZE 98           COEFFICIENT OF DETERMI           MULTIPLE CORR. COEFFIC           ANALYSIS OF VARIANCE FOR THE MULTIPLE           LINEAR REGRESSION           SOURCE GF VARIATION         0.F.         SUM OF         MEAN         F         p           SQUARES         SQUARES         SQUARES         VAUUE           DUE TO REGRESSION         SOURCE GF VARIATION         0.F.         SUM OF         MEAN         F         p           OUE TO REGRESSION         SQUARES         SQUARES           VARIABLE         MEAN         F         p           OUE TO REGRESSION         SOURCE OF VARIATION         OUE TO REGRESSICN         89         303.90283         3.41464           NU         DEVIATION         COMPUTED	D.03676	0.0001	
30       1.96939       1.89657       -0.02013       0.11083       -0.18166       -0.01925         12       4.01020       1.76737       TABLE 11       TOTAL GROUP       KEY 1         TABLE 11       TOTAL GROUP       KEY 1         SAMPLE SIZE 98         COEFFICIENT OF DETERMI         DEPENDENT VARIABLE IS NOW NO. 13         MULTIPLE         SUM OF MEAN F P         SUUARES SQUARES VALUE         DUE TO REGRESSIGN	4.70540	0.0155	
12       4.01020       1.76737       TABLE 11       TOTAL GROUP       KEY 1         TABLE 11       TOTAL GROUP       KEY 1         SAMPLE SIZE 98       COEFFICIENT OF DETERMI         DEPENDENT VARIABLE IS NOW NO. 13       MULTIPLE CORR. COEFFIC         LINEAR REGRESSION         SOURCE CF VARIATION       0.01         SOURCE CF VARIATION       0.01         DUE TO REGRESSION	3.23345	0.0106	
TABLE 11       TOTAL GROUP       KEY 1         SAMPLE SIZE 98       COEFFICIENT OF DETERMI         MULTIPLE SIZE 98       COEFFICIENT OF DETERMI         MULTIPLE CORR. COEFFIC         ANALYSIS OF VARIANCE FOR THE MULTIPLE         LINEAR REGRESSION         SQUARES       VALUE         DUE TO REGRESSIGN	0.09670	0.0003	
SAMPLE SIZE       98       COEFFICIENT OF DETERMI MULTIPLE CORR. COEFFIC         ANALYSIS OF VARIANCE FOR THE MULTIPLE         LINEAR       REGRESSION       MULTIPLE CORR. COEFFIC         SOURCE OF VARIATION       0.F.       SUM OF       MEAN       F       p         DUE TO REGRESSION       O.F.       SUM OF       MEAN       F       p         DUE TO REGRESSION       0.F.       SUM OF       MEAN       F       p         DUE TO REGRESSION       0.F.       SUM OF       MEAN       F       p         DUE TO REGRESSION       0.F.       SUM OF       MEAN       F       p         DUE TO REGRESSION       0.F.       SUM OF       MEAN       F       p         DUE TO REGRESSION       89       303.90283       3.41464       3.0520       <.01			
DEPENDENT VARIABLE IS NOW NO.         13         MULTIPLE CORR.         COEFFIC           ANALYSIS OF VARIANCE FOR THE MULTIPLE           LINEAR         REGRESSION         SQUARES         SQUARES         VALUE           DUE TO REGRESSIGN			
ANALYSIS OF VARIANCE FOR THE MULTIPLE         LINEAR       REGRESSION         SOURCE GF VARIATION       0.F.         SUBARES       SQUARES         DUE TO REGRESSIGN	MINATION	0.2153	
ANALYSIS OF VARIANCE FOR THE MULTIPLE         LINEAR       REGRESSION         SOURCE GF VARIATION       0.F.         SUUARES       SQUARES         VARIAGRESSIGN	FICIENT	0.4640	
LINEAR         REGRESSION           SOURCE GF VARIATION         0.F.         SUM OF         MEAN         F         p           DUE TO REGRESSION		0. 1010	
SQUARES         SQUARES         VALUE           DUE TO REGRESSIGN			
DUE TO REGRESSIGN			
DEVIATION         ABOUT         REGRESSICN         89         303.90283         3.41464           TOTAL         \$7         387.27563         3.41464           VARIABLE         MEAN         STD.         REG.         STD. ERROR         COMPUTED         PARTIAL         SU           NU.         DEVIATION         CUEFF.         DF REG.COE.         TVALUE         CDRR.CUE.           1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.073242         0.07740           27         2.88796         1.65280         -0.16188         0.12712         -1.27344         -0.13377			
TOTAL         \$7         387.27563           VARIABLE         MEAN         STD.         REG.         STD. ERROR         COMPUTED         PARTIAL         SU           NU.         DEVIATION         CUEFF.         OF REG.COE.         TVALUE         CDRR.CUE.           1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.073242         0.07740           27         2.85796         1.65280         -0.16188         0.12712         -1.27344         -0.13377	1		
VARIABLE         MEAN         STD.         REG.         STD. ERROR         COMPUTED         PARTIAL         SU           NU.         DEVIATION         CUEFF.         OF REG.COE.         T VALUE         CURR.CUE.           1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.00000         0.773242         0.07740           27         2.85796         1.65280         -0.16188         0.12712         -1.27344         -0.13377			
NU.         DEVIATION         CUEFF.         OF REG.COE.         T VALUE         CORR.COE.           1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.00000         0.773242         0.07740           27         2.88796         1.65280         -0.16188         0.12712         -1.27344         -0.13377			
NU.         DEVIATION         CUEFF.         OF REG.COE.         T VALUE         CORR.COE.           1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34168.25391         53618.60547         0.00000         0.00000         0.773242         0.07740           27         2.88796         1.65280         -0.16188         0.12712         -1.27344         -0.13377			
NU.         DEVIATION         CUEFF.         OF REG.COE.         T VALUE         COR. CUE.           1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.00000         0.773242         0.07740           27         2.85796         1.65280         -0.16188         0.12712         -1.27344         -0.13377	SUM OF SQ.	. PROP. V	
1         1.55102         C.82640         -0.17106         0.24457         -0.69940         -0.07393           9         4.95640         1.36724         0.10826         0.15356         0.70501         0.07452           10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.00000         0.773242         0.07740           27         2.88796         1.65280         -0.16188         0.12712         -1.27344         -0.13377	ADDED	CUM.	
10         3.92406         1.66624         0.43205         0.13179         3.27824         0.32824           26         34108.25391         53618.60547         0.00000         0.00000         0.73242         0.07740           27         2.85796         1.65280         -0.16188         0.12712         -1.27344         -0.13377	1.77272		
26         34108.25391         5361         8.60547         0.00000         0.00000         0.73242         0.07740           27         2.85796         1.65280         -0.16188         0.12712         -1.27344         -0.13377	16.43123		
<u>27</u> <u>2.85796</u> <u>1.65280</u> <u>-0.16188</u> <u>0.12712</u> <u>-1.27344</u> <u>-0.13377</u>	34-25320	0.088	
	2.31469		
CD NAR, (AAR) - AALA ILAZAL - 0.00007 - 0.00004 - 0.49671 - 4.4444	9.45926		
	D-10747		
	0.70345		
30 1.96939 1.89657 -0.27720 0.11964 -2.31697 -0.23851 13 3.86735 1.99813	18.33092	2 0.047	

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TABLE 12 TOTAL GROUP KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 14

#### COEFFICIENT OF DETERMINATION 0.2753 MULTIPLE CORR. COEFFICIENT 0.5247

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ANALYSIS OF VA	RIANCE P	FOR THE MULTIPLE				
LINEAR	REGRES	SION				
SOURCE OF VARIATION	0.F.	SUM OF	MEAN	F	Р	
		SQUARES	SQUARES	VALUE		
OUE TO REGRESSICA	8	90.99001	11.37375	4.2264	<.01	
OEVIATION ABOUT REGRESSION	89	239.50999	2.69112			
TGTAL	97	330.50000				

VARIABLE	<u> </u>	STC.	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		OEVIATION	COEFF.	OF REG.COE.	TVALUE	CORR. COE.	AODED	CUM.
1	1.55102	C. 82640	-C.18548	0.21712	-0.85426	-0.09018	1.18417	0.00358
9	4.95640	1.36724	0.08613	0.13633	0.63176	0.06682	19.10402	0.05760
10	3.92406		0.46662	0.11700	3.98825	0.38939	44.86925	0.13576
26	34108.25391	53618.60547	0.00000	0.00000	0.62211	0.06580	2.04249	0.00618
	2.89796	1.65280	-0.11211	0.11285	-0.99343	-0.10472	2.83284	0.00857
28	948.74487	3313.11328	-0.00001	0.00005	-0.18009	-0.01909	0.68269	0.00207
29	2.23867	<u> </u>	0.41458	0.19821	2.09165	0.21646	5.22767	0.01582
30	1.96939	1.89657	-0.25114	0.10621	-2.36461	-0.24313	15.04704	0.04553
14	4.07143	1.84586						

TABLE 13 TOTAL GROUP KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 15 COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.1055<br/>0.3247

ANALYSIS OF VARIANCE FOR THE MULTIPLE

LINEAR	REGRES	SION				
<u>SOURCE OF VARIATION</u>	0.8.	SUM OF	MEAN	F	р	
DUE TU REGRESSION	8	SQUARES 65+67778	SQUARES 8.20972	VALUE 1.3115	 n.s.	
OEVIATION ABOUT REGRESSION	89 97	557.13843 622.81641	6.25998			

VARIABL	EPEAN	<u>STO</u>	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	A00E0	C UM .
1	1.55102	<u> </u>	0.28877	0.33115	0.87201	0.09204	3.64110	0.00585
9	4.95640	1.36724	0.10619	0.20792	0.51074	0.05406	8.73042	0.01402
10	3.92406	1.66624	0.37896	0.17844	2.12371	0.21962	19.11116	0.03069
26	34108.25391	53618.60547	-0.00000	0.00001	-0.18848	-0.01998	0.53224	0.00085
27	2.89796	1.65280	-0.02301	0.17211	-0.13371	-0.01417	5.29476	0.00850
28	948.74487	3313.11328	0.00008	0.00008	0.99681	0.10508	6.79169	0.01090
29	2.23867	1.00744	-0.38974	0.30230	-1.28924	-0.13540	17.16301	0.02756
30	1.56939	1.89657	-0.13602	0.16199	-0.83967	-0.08865	4.41354	0.00709
15	3-69388			•••••		0.0000	4.41334	0.00109

TABLE 14 TOTAL GROUP

#### KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW M ANALYSIS OF VAR		OR THE MULTIPLE			DETERMINATION . COEFFICIENT	0.1999 0.4471
LINEAR SOURCE OF VARIATION	REGRES	SION SUM OF	MEAN			
· · · · · · · · · · · · · · · · · · ·	Uara	SQUARES	SQUARES	VALUE	P	
DUE TO REGRESSION	8	96.17815	12.02227	2.7791	<.01	
OEVIATION ABOUT REGRESSION	89	385.01587	4.32602			
	97	481.19409				

VARIABLE	MEAN	STD.	REG.	STU.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.	1.55102	0EVIATION C.82640	COEFF. 0.15818	OF REG.COE. 0.27529	T VALUE 0.57462	CURR . COE. 0.06080	A00E0 4.32085	CUM.
9 10	4.95640 <u>3.92406</u>	1.66624	0.10132	0.17285	0.58619	0.06202	22.28285	0.04631
26 27	34108.25391	53618.60547 <u>1.65280</u>	0.00000 <u>-0.19663</u>	0.00000 0.14308	0.17165	0.01819 -0.14415	0.00567 10.19499	0.00001
28 29	948.74487 <u>2.23867</u>	3313.11328 <u>1.00744</u>	0.00004 <u>0.06526</u>	0.00006 0.25130	0.62108	0.06569	1.41499 0.04894	0.00294
30 16	1.96939 3.31633		-0.06543	0.13466	-0.48586	-0.05143	1.02120	0.00212

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TABLE 15 TOTAL GROUP KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 17

#### COEFFICIENT OF DETERMINATION 0.1592 MULTIPLE CORR. COEFFICIENT 0.3990

	RLANCE P	OR THE NULTIPL	E			
LINEAR	REGRES	S10N				
SOURCE OF VARIATION	D.F.	SUM UF	MEAN	F	р	
DUE TO REGRESSION	8	SQUARES 61.26535	SQUARES	VALUE	<.05	
OEVIATION ABOUT REGRESSICN	89 57	323.51025 384.77563	3.63495			

VARIABLE	MEAN	STD.	REG.	STD. ERROR	COMPUTED	PARTIAL	SUM OF SO.	PRUP VAR
NO.	1.55102	0EVIATION 	COEFF. 0.25220	OF REG.COE.	T VALUE	CORR. COE.	AOOEO	CUM.
	4.95640	1.36724	0.10960	0.15844	0.69174	0.10535	<u>7.19830</u> 16.71236	0.01871
	34108.25391		0.41789 0.00000	<u>0.13598</u> 0.00000	<u>3.07326</u> 0.31927	<u>    0.30974    </u> 0.03382	<u>32.60994</u> 0.87562	<u>    0.08475  </u> 0.00228
28	<u> </u>	<u>1.65280</u> 3313.11328	0.03923	0.13115	0.29911	0.03169	<u>0.00471</u> 0.36180	0.00001
<u> </u>	2.23867	1.00744	0.00522		0.02267	0.00240	0.32752	0.00085
17	3.63265	1.99167	-0.11337	0.12344	-0.93463	-0.09859	3.17526	0.00825

#### TABLE 16 TOTAL GROUP KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 18

COEFFICIENT OF DETERMINATION0.2856MULTIPLE CORR. COEFFICIENT0.5344

ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION

OUE TO REGRESSION         SQUARES         SQUARES         VALUE           0EVIATION ABOUT REGRESSION         89         224.50018         2.52247           10TAL         97         314.24512	<u>SOURCE OF VARIATION</u>	0.F.	SUM OF	MEAN	F	p	·
OEVIATION ABOUT REGRESSION 89 224.50018 2.52247			SQUARES	SQUARES	VALUE		
		8	89.74493	11.21812	4.4473	<.01	
TOTAL	OEVIATION ABOUT REGRESSION	89	224.50018	2.52247			
	<u></u>	97	314.24512		· ·		

VARIABLE	EMEAN	<u>ST</u> O.	REG.	STU.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AOOEO	C UM .
	1.55102		0.17133	C.21021	0.81506	0.08608	13.80887	0.04394
9	4•95640	1.36724	0.02905	0.13199	-0.22012	-0.02333	0.98293	0.00313
10	3.92406		0.02907	0.11327	0.25666	0.02720	1.67677	0.00534
	34108.25391	53618.60547	0.00000	0.00000	1.54815	0.16194	10.68359	0.03400
27	2.89796	1.65280	0.28949	0.10926	2.64968	0.27040	36.82967	0.11720
28	948.74487	3313.11328	-0.00010	C.00005	-1.96361	-0.20378	8.93464	0.02843
	2.23867	1.00744	0.13543	0.19190	0.70575	0.07460	5.53247	0.01761
30	1.96939	1.89657	0.21760	0.10283	2.11619	0.21888	11.29629	0.03595
18	3.55102	1.79990						0.03393

TABLE 17 TOTAL GROUP KEY I

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 19 COEFFICIENT OF DETERMINATION 0.3479

MULTIPLE CORR. COEFFICIENT 0.5898

ANALYSIS UF VAL	RIANCE I	FOR THE MULTIPLE				
LINEAR	REGRES	55 ION				
SOURCE OF VARIATION	0.F.	SUM OF	MEAN	F	p	
DUE TO REGRESSION	8	SQUARES	SQUARES 13.05608	VALUE 5.9347	<.01	
OEVIATION ABOUT REGRESSION TOTAL	89 97	195.79649	2.19996			

VARIABLE	MEAN	STO.	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.	1.55102	0EVIATION (.82640	COEFF.	UF REG.COE. 0.19631	T VALUE	CORR. COE.	A00E0	CUM. 0.00430
9 <u>10</u>	4 •95640 <u>3 •92406</u>	1.66624	0.05598 -0.03623	0.12326	0.45420	0.04809	3.90531	0.01301
27	34108.25391		0.00001	0.00000	1.90524	0.19796	14.23551	0.04741
28 29	548.74487 <u>2.23867</u>	3313.11328 <u>1.00744</u>	-0.00015	0.00005	-3.27500	-0.32795 0.19661	24.10977	0.08030
30 <u>19</u>	1.56939		0.17711	0.09603	1.84435	0.19187	7.48349	0.02492

#### TABLE 18 TOTAL GROUP KEY 1

S. S. 1. 1.

DEPENI		98 BLE IS NOW NO	0. 20				DETERMINATION COEFFICIENT	0.3230 0.5684
<u> </u>	ANAL	LYSIS OF VARI		EMULTIPLE				
SO	URCE OF VARI			UM OF	HEAN	F	p	·
	EGRESSION			JARES	SQUARES 11.43876	VALUE 5.3088	<.01	
	N ABOUT REGR			. 76558	2.15467	9.3080	<u> </u>	
		TOTAL	97 283	.27563				
	· · · ·	·						
ARIABLE NO.	MEAN	STO.	REG.	STO.ERROR	COMPUTED E. T VALUE	PARTIAL CORR. COE		PRUP. VA
1	1.55102	C. 82640	-0.04536	0.19428	-0.23347	-0.02474	. ADOED 4.80272	CUM. 0.0169
9	4.95640	1.36724	0.04656	0.12198	0.38173	0.04043	9.36257	0.0330
10	3.92406	1.66624	0.20175	0.10469	1.92709	0.20014	11.43835	0.0403
		53618.60547	- 0.00001	0.00000	2.51108	0.25722	17.84485	0.0629
27	2.89796 943.74487	<u>1.65280</u> 3313.11328	0.21906	0.10098	2.16936	0.22410	19.29134	0.0681
28	2.23867	1.00744	-0.00014 0.06756	0.00005 0.17736	-3.13641 0.38094	-0.31548 0.04035	20.26154 2.15046	0.0715
30	1.96939	1.89657	0.16326	0.09504	1.71785	0.17915	6.35849	0.0224
_20	3.13265	1.70891						
			TAI	BLE 19 '	TOTAL GROU	P KEY 1		
SAMPL	E SIZE	98			COFF	FICIENT OF	DETERMINATION	0.3181
		BLE IS NOW N	0. 21				COEFFICIENT	0.5640
DUIUN					MOBI	IF DE CORR.	COEFFICIENT	0.0040
			REGRESSION					
<u> </u>	<u>urce cf vari</u>	LATICN		JM OF	MEAN	F	QQ	
	EGRESSION			JARES	SQUARES	VALUE 5.1900	<.01	
	N ABOUT REGR			10870	2.33830	5.1900	<u> </u>	
		<u>TO T</u> AL	97 305	<u>.194</u> 09				
ARTABLE	MEAN	STO	REG.	STO.ERROR		PARTIAL		PROP. VA
NO.	1.55102	0 EVIATION C.82640	0.03495	OF REG.COE 0.20239	. T VALUE 0.17269	CORR. COE 0.01830	. ADDED 11.76604	CUN.
9	4.95640	1.36724	0.02706	0.12708	0.21297	0.02257	8.01096	0.0385
10		1.66624	0.19348	0.10906	1.77404	0.18481	13.76885	0.0451
26	3.92406							
	34108.25391	53618.60547	0.00001	0.00000	2.82644	0.28700	21.25259	
27	34108.25391 2.85756	1.65280	0.16804	0.10519	1.59742	0.28700 0.16695	21.25259 16.10809	0.0696 0.0527
<u>27</u> 28	34108.25391 2.85756 948.74487	<u>1.65280</u> 3313.11328	0.16804 -0.00009	0.10519	1.59742	0.28700 0.16695 -0.18680	21.25259 16.10809 6.12321	0.0696 0.0527 0.0200
27 28 29	34108.25391 2.85756 948.74487 2.23867	<u>1.65280</u> 3313.11328 <u>1.00744</u>	0.16804 -0.00009 0.01052	0.10519 0.00005 0.18476	1.59742 -1.79385 0.05692	0.28700 0.16695 -0.18680 0.00603	21.25259 16.10809 6.12321 2.40085	0.0696 0.0527 0.0200 0.0078
<u>27</u> 28	34108.25391 2.85756 948.74487	<u>1.65280</u> 3313.11328	0.16804 -0.00009	0.10519	1.59742	0.28700 0.16695 -0.18680	21.25259 16.10809 6.12321	0.0696 0.0527 0.0200 0.0078
27 28 29 30	34108.25391 2.85756 948.74487 2.23867 1.96939	<u>1.65280</u> 3313.11328 <u>1.00744</u> 1.89657	0.16804 -0.00009 0.01052 0.27204	0.10519 0.00005 0.18476 0.09900	1.59742 -1.79385 0.05692	0.28700 0.16695 -0.18680 0.00603 0.27965	21.25259 16.10809 6.12321 2.40085	0.0696 0.0527 0.0200 0.0078
27 28 29 30 21	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633	<u>1.65280</u> 3313.11328 <u>1.00744</u> 1.89657 <u>1.77379</u>	0.16804 -0.00009 0.01052 0.27204	0.10519 0.00005 0.18476 0.09900	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1	21.25259 16.10809 6.12321 2.40085 17.65501	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE	<u>1.65280</u> 3313.11328 <u>1.00744</u> 1.89657	0.16804 -0.00009 0.01052 0.27204 TA	0.10519 0.00005 0.18476 0.09900	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF	21.25259 16.10809 6.12321 2.40085	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYSIS OF VARI	0.16804 -0.00009 0.01052 0.27204 TA O. 22	0.10519 0.00005 0.18476 0.09900 BLE 20	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA	<u>1.65280</u> 3313.11328 <u>1.00744</u> 1.89657 <u>1.77379</u> 98 BLE IS NOW N <u>LYSIS OF VARI</u> LINEAR	0. 16804 -0. 00009 0. 01052 0. 27204 TA TA TA TA TA TA TA TA TA TA	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR.	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN 50	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA DENT VARIA	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYSIS OF VARI LINEAR LATION	0. 16804 -0. 00009 0. 01052 0. 27204 TA TA O. 22 IANCE FUR TH REGRESSION O.F. SQ	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU 2 COEF MULT MEAN SQUARES	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR.	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN 50 S0 DUE TO R	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA MANAI MARCE OF VAR EGRESS ION	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION	0.16804 -0.00009 0.01052 0.27204 TA TA TA TA TA TA TA TA TA TA	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU COEF MULT MEAN SQUARES 8.70217	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR.	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN 50 S0 DUE TO R	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA DENT VARIA	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION RESS ION	0. 16804 -0. 00009 0. 01052 0. 27204 TA TA 0. 22 IANCE FUR TH REGRESSION 0.F. SQ 8 65 89 182	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU 2 COEF MULT MEAN SQUARES	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR.	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN 50 OUE TO R	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA MANAI MARCE OF VAR EGRESS ION	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION	0. 16804 -0. 00009 0. 01052 0. 27204 TA TA 0. 22 IANCE FUR TH REGRESSION 0.F. SQ 8 65 89 182	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU COEF MULT MEAN SQUARES 8.70217	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR.	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN 50 0UE TO R DEVIATIO	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA MANANA MURCE OF VAR EGRESSION N ABOUT REGI	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYSIS OF VARI LINEAR IATION  RESSION TOTAL	0.16804 -0.00009 0.01052 0.27204 TA TA O. 22 IANCE FUR TH REGRESSION 0.F. S SQ 8 69 89 182 \$7 251	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU COEF MULT MEAN SQUARES 8.70217 2.04833	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR. F VALUE 4.2484	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257
27 28 29 30 21 SAMPL DEPEN 50 S0 DUE TO R	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA ANAI URCE OF VAR EGRESSION N ABOUT REGI	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  RESSION TOTAL STO. OE VIATION	0.16804 -0.00009 0.01052 0.27204 TA TA 0. 22 IANCE FUR TH REGRESSION 0.F. S 8 89 182 57 251 	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU 2 COEF MULT MEAN SQUARES 8.70217 2.04833 COMPUTEO	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR. F VALUE 4.2484	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ.	0.0696 0.0527 0.0200 0.0078 0.0578
27 28 29 30 21 SAMPL DEPEN DEPEN SO DEVIATIO	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA ANAI URCE OF VAR EGRESSION N ABOUT REGI MEAN 1.55102	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  RESSION TOTAL OEVIATION C.82640	0. 16804 -0. 00009 0. 01052 0. 27204 TA TA TA TA TA TA TA TA TA TA	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18943	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU 2 COEF MUL 2 COEF 0	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. 8.70987	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 
27 28 29 30 21 SAMPL DEPEN 50 50 50 50 50 50 50 50 50 50 50 50 50	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA ANAI DURCE OF VAR EGRESSION N ABOUT REGI MEAN 1.55102 4.95640	1.65280           3313.11328           1.00744           1.89657           1.77379           98           BLE IS NOW N           LYS IS OF VARI           LINEAR           IATION           RESSION           TOTAL           STO.           OE VIATION           0.82640           1.36724	0. 16804 -0. 00009 0. 01052 0. 27204 TA O. 22 IANCE FUR TH REGRESSION 0.F. SQ 8 65 89 182 57 251 	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18943 0.11894	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU 2 COEF MUL 2 COEF 2 COEF MUL 2 COEF 2 COEF MUL 2 COEF 2 COEF 2 COEF MUL 2 COEF 2	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305 0.26300	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. . ALOEO 8.70987 33.27979	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 0.5257 PROP. VA CUM. 0.0345 0.1321
27 28 29 30 21 SAMPL DEPEN SO DUE TO R DEVIATIO VARIABLE NO. 1 9 10	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA MURCE OF VAR EGRESSION N ABOUT REGI MEAN 1.55102 4.95640 3.92406	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  RESSION TOTAL STO. OE VIATION C.82640 1.36724 1.66624	0.16804 -0.00009 0.01052 0.27204 TA 0. 22 1ANCE FUR TH REGRESSION 0.F. S 8 89 182 57 251 	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18943 0.11894 0.10207	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU COEF MULT MEAN SQUARES 8.70217 2.04833 COMPUTEO E. T VALUE 0.97733 2.57169 1.58559	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FICIENT OF TIPLE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305 0.26300 0.16575	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. . ACOEO 8.70987 33.27979 7.37649	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 0.5257 PROP. VA CUM. 0.0345 0.1321 0.0292
27 28 29 30 21 SAMPL DEPEN SO DUE TO R DEVIATIO VARIABLE NO. 1 9 10 26	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA ANAI URCE OF VAR EGRESSION N ABOUT REGI MEAN 1.55102 4.95640 3.92406 34108.25391	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  RESSION TOTAL STO. OE VIATION C.82640 1.36724 1.66624 53618.60547	0.16804 -0.00009 0.01052 0.27204 TA TA TA TA TA TA TA TA TA TA	0.10519 0.00005 0.18476 0.09900 BLE 20 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18943 0.11894 0.10207 0.00000	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU COEF MULT MEAN SQUARES 8.70217 2.04833 COMPUTEO E. T VALUE 0.97733 2.57169 1.58559 1.80882	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF FICIENT OF FILE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305 0.26300 0.16575 0.18831	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. . AUDED 8.70987 33.27979 7.37649 6.87327	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 0.5257 PROP. VA CUM. 0.0345 0.1321 0.0292 0.0272
27 28 29 30 21 SAMPL DEPEN SO DUE TO R DEVIATIO VARIABLE NO. 1 9 10	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA MARINE COF VAR EGRESSION N ABOUT REGINANT MEAN 1.55102 4.95640 3.92406 34108.25391	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  TOTAL STO. OE VIATION C.82640 1.36724 1.66624 53618.60547 1.65280	0.16804 -0.00009 0.01052 0.27204 TA TA O. 22 IANCE FUR TH REGRESSION 0.F. SQ 8 69 182 57 251 	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18543 0.11894 0.10207 0.00000 0.09845	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU ² COEF MUL ² <u>MEAN</u> SQUARES 8.70217 2.04833 <u>COMPUTEO</u> E. T VALUE 0.97733 2.57169 1.58559 1.80882 -0.96287	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF FILE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305 0.26300 0.16575 0.18831 -0.10154	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. . A20E0 8.70987 33.27979 7.37649 6.87327 0.55812	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 0.5257 PROP. VA CUM. 0.0345 0.1321 0.0272 0.0272 0.0022
27 28 29 30 21 SAMPL DEPEN SO DUE TO R SO DUE TO R OEVIATIO VARIABLE NO. 1 9 10 26 27	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA ANAI URCE OF VAR EGRESSION N ABOUT REGI MEAN 1.55102 4.95640 3.92406 34108.25391	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  RESSION TOTAL STO. OEVIATION C.82640 1.36724 1.6624 53618.60547 1.65280 3313.11328	0.16804 -0.00009 0.01052 0.27204 TA TA TA TA TA TA TA TA TA TA	0.10519 0.00005 0.18476 0.09900 BLE 20 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18943 0.11894 0.10207 0.00000	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU COEF MULT MEAN SQUARES 8.70217 2.04833 COMPUTEO E. T VALUE 0.97733 2.57169 1.58559 1.80882	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF TIPLE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305 0.26300 0.16575 0.18831 -0.10154 -0.17373	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. . AUDED 8.70987 33.27979 7.37649 6.87327	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 0.5257 PROP. VA CUM. 0.0345 0.1321 0.0292 0.0270
27 28 29 30 21 SAMPL DEPEN DEPEN SO DEVIATIO VARIABLE NO- 1 9 10 26 27 28	34108.25391 2.85756 948.74487 2.23867 1.96939 3.31633 E SIZE DENT VARIA MANAN DENT VARIA ANAN URCE OF VAR EGRESSION N ABOUT REGI MEAN 1.55102 4.95640 3.92406 34108.25391 2.85796 948.74487	1.65280 3313.11328 1.00744 1.89657 1.77379 98 BLE IS NOW N LYS IS OF VARI LINEAR IATION  RESSION TOTAL STO. OE VIATION C.82640 1.36724 1.66624 53618.60547 1.65280 3313.11328 1.00744 1.89657	0.16804 -0.0009 0.01052 0.27204 TA CO. 22 IANCE FUR TH REGRESSION 0.F. SQ 8 69 89 182 57 251 REG. N COEFF. 0.16185 0.00001 -0.09480 -0.00007	0.10519 0.00005 0.18476 0.09900 BLE 20 E MULTIPLE UM OF UARES .61732 .30113 .91846 STO.ERROR CF REG.CO 0.18943 0.11894 0.10207 0.00004	1.59742 -1.79385 0.05692 2.74779 TOTAL GROU ² COEF MUL ² <u>MEAN</u> SQUARES 8.70217 2.04833 <u>COMPUTEO</u> E. T VALUE 0.97733 2.57169 1.58559 1.80882 -0.96287 -1.66431	0.28700 0.16695 -0.18680 0.00603 0.27965 P KEY 1 FFICIENT OF FILE CORR. F VALUE 4.2484 PARTIAL CORR. COE 0.10305 0.26300 0.16575 0.18831 -0.10154	21.25259 16.10809 6.12321 2.40085 17.65501 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. ACOEO 8.70987 33.27979 7.37649 6.87327 0.55812 6.82403	0.0696 0.0527 0.0200 0.0078 0.0578 0.2763 0.5257 0.5257 PROP. VA CUM. 0.0345 0.1321 0.0272 0.0272 0.0272

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#### TABLE 21 TOTAL GROUP KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 23 COEFFICIENT OF DETERMINATION 0.3311 MULTIPLE CORR. COEFFICIENT 0.5754

	ANAL	YSIS OF VARI	ANCE	FOR THE	MULTIPLE				
		LINÉAR	REGRE	SSION					
SI	DURCE OF VARI	IATION	C.F.	SU	M OF	MEAN	F	р	
				SQU	ARES	SQUARES	VALUE		
DUE TO (	REGRESSION	<u></u>	8	109.	52153 _	13.69019	5.5077	< .01	
DEVIATIO	DN ABOUT REGP	RESSION	89	221.	22359	2.48566			
		TOTAL	97	330.	74512				
								· · · · · · · · · · · · · · · · · · ·	
ARIABL	E MEAN	STO.	i	REG.	STD.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR
ND.		DEVIATION	I CI	DEFF.	OF REG.COE	T VALUE	CORR. COE.	AODEO	CUM.
1	1.55102	C.82640	0.	17338	0.20867	0.83088	0.08773	11.62877	0.03516
9	4.95640	1.36724	-0.	18128	0.13102	-1.38362	-0.14511	2.78565	0.00842
10	3.92406	1.66624	. 0.	49932	0.11244	4.44056	0.42588	55.94852	0,1691
26	34108.25391	53618.60547	0.	00000	0.0000	1.50129	0.15716	10.99402	0.03324
27	2.89796	1.65280	0.	24898	0.10846	2.29571	0.23645	19.96555	0.0603
28	948.74487	3313.11328	-0.	00007	0,00005	-1.51924	-0.15899	6.16127	0.0186
29	2.23867	1.00744	0.	14735	0.19049	0.77352	0.08172	1.94707	0.0058
30	1.96939	1.89657	0.	01952	0.10207	0.19123	0.02027	0.09090	0.0002

#### TABLE 22 TOTAL GROUP KEY 1

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SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 24

2.94898

COEFFICIENT OF DETERMINATION 0.2701 MULTIPLE CORR. COEFFICIENT 0.5197

ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION SOURCE OF VARIATION O.F. SUM OF SQUARES SC

1.84655

SOURCE OF VARIATION	0.F.	SUM DF	MEAN	F	p	
		SQUARES	SQUARES	VALUE		
DUE TO REGRESSION	8	90.81671	11.35209	4.1166	<.01	
DEVIATION ABOUT REGRESSION	89	245.42841	2.75762			
TOTAL	97	336.24512				

VARIABL	E <u>MEAN</u>	STO.	REG.	STD. ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR.
NO.		DEVIATION	CDEFF.	OF REG.COE.	T VALUE	CURR. COE.	ADDED	CUH.
1	1.55102	C.82640	0.17156	0.21979	0.78054	0.08246	13.80887	0.04107
9	4.95640	1.36724	-0.08184	0.13800	-0.59302	-0.06274	4.92626	0.01465
10	3.92406	1.66624	0.35348	0.11844	2.98458	0.30163	32,50450	0.09667
26	34108.25391	53618.60547	0.00001	0.00000	1.73266	0.18064	12.08128	0.03593
27	2.89796	1.65280	0.17386	0.11423	1.52196	0.15927	13.92887	0.04142
28	\$48.74487	3313.11328	-0.00008	0.00005	-1.61749	-0.16899	7.16718	0.02132
29	2.23867	1.00744	0.14705	0.20064	0.73292	0.07746	3.52178	0.01047
30	1.96939	1.89657	0.10984	0.10751	1.02163	0.10766	2.87820	0.00856
24	2.55102	1.86184						

TABLE 23 TOTAL GROUP KEY 1

SAMPLE SIZE 98 DEPENDENT VARIABLE IS NOW NO. 25 COEFFICIENT OF DETERMINATION 0.2906 MULTIPLE CORR. COEFFICIENT 0.5391 ì

ANALYSIS OF VAR	RI ANCE	FOR THE MULTIPLE				
LINEAR	REGRES	SSION				
SOURCE OF VARIATIGN	0.F.	SUM OF	MEAN	F .	р	
		SQUARES	SQUARES	VALUE		
DUE TO REGRESSICN	8	43.57094	5.44637	4.5580	<.01	
DEVIATION ABOUT REGRESSICN	89	106.34752	1.19492		•	
TOTAL	97	149.91846				

VARIABLE	EMEAN	510.	REG.	STD.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PRUP. VAR.
ND.		DEVIATION	COEFF.	OF REG.CDE.	T VALUE	CORR. CDE.	AODED	CUM.
	1.55102	C.82640	0.06122	0.14468	0.42311	0.04481	3.40578	0.02272
9	4.95640	1.36724	0.20090	0.09084	2.21156	0.22824	15.86930	0.10585
10		1.66624	0.09795	0.07796	1.25631	0.13200	6.06369	0.04045
26	34108.25391	53618.60547	0.00000	0.00000	1.26830	0.13324	2.60765	0.01739
	2.89796	1.65280	-0.10639	0.07520	-1+41482	-0.14831	0.01898	0.00013
28	948.74487	3313. 1328	0.00003	0.00003	0.97675	0.10298	0.66031	0.00440
29	2.23867	1.00744	0.43645	0.13208	3,30454	0.33059	14.93152	0.09960
30	1.96939	1.89657	0.00761	0.07077	0.10754	0.01140	0.01382	0.00009
	3.79592	1.24320						



#### OVER 100,000 KEY 1 TABLE 24

DEPENDE	ENT VARIAE	1 BLE IS NOW NO YSIS OF VARIA	NCE FOR THE	MULTIPLE		FFICIENT OF I TIPLE CORR.	DETERMINATION COEFFICIENT	0.5716 0.7561
SOUR	CE OF VARIA		EGRESSION •F• SU	M OF	MEAN	F		•
			S QU	ARES	SQUARES	VALUF	p	
DUE TO REGI	RESSION				12.464.33	5.3374		
DEVIATION	ABOUT REGRI			72682	2.33521		<.01	•
VARIABLE NU.	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF PEG.COE	COMPUTED T VALUE	PARTIAL CORR. COF.		PROP. VAR.
1	1.51219	C.840 30	-0.50565	0.31839	-1.58818	-0.2/030	0.12315	0.00073
9	4.80073	1.87261	0.02390	0.17664	0.13529	0.02391	9.65355	0.05534
10	3.72683	1.90072	0.28935	C.18074	1.60093	0.27231	24.14700	0.13843
26 42	2.36585	<u>62973.77344</u> 1.94623	0.00001 C.28954	0.00000	1.83693	0.30885	<u>19.09410</u> 28.97679	0.10946
	172.92676	4743.44531	-0.00002	C.0C005	-0.41169	-0.07258	0.40305	0.00231
29	2.05377	1.16737	-0.04463	0.35777	-0.12474	-0.02205	4.89744	0.02808
<u>30</u> 24	1.51219 2.19512	<u>1.98899</u> 2.08829	0.43361	0.18808	2.30549	0.37742	12.41229	0.07116
			TAI	BLE 25	OVER 100,00	0 KEY 1		
SAMPLE Depende	ENT VARIA	11 BLE IS NOW NO YSIS OF VARIA	NCE FOR THE	MULTIPLE		FFICIENT OF I TIPLE CORR.	DETERMINATION COEFFICIENT	0. 5721 0. 7564
SOUR	CE OF VARI		EGRESSION	JM OF	MFAN			
3000				JARES	SQUARES	VALUE	p	
OUE TO REG				.53123	13.31440	5.3490		
DEVIATION	ABOUT REGR			<u>.66408</u> 19531	2.48950		<u>_&lt;.01</u>	
VARIABLE	MEAN	STD.	REG.	STD.FRROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR.
<u>NO</u>		DEVIATION	COEFF.	OF RFG.CO		COPP. COF.		CUM.
1 9	1.51219 4.\$0073	0.84030	-0.40948 -0.12398	0.32374	-1.24561 0. <u>57</u> 980	-0.21504	0.20421 9.80808	0.00142 0.05268
10	3.72683	1.90072	0.56110	0.18661	3.00675	0.46934	45.15750	0.24253
	789.24219	62973.77344	0.00001	0.00000	1.73468	0.29318	19.79454	0.10631
							1747434	0.100.21
27	2.36585	1.94623	0.36020	0.19288	1.86743	0.31348	22.20938	0.11928
<u>28</u> 1	2.36585 172.92676	1.94623 4743.44531	0.36020 -0.00005	0.19288 0.00005	-0.95205	0.31348 -0.16597	22.20938 1.73651	0.11928 0.00933
<u>28 1</u> 29	2.36585 <u>172.92676</u> 2.05877	1.94623 <u>4743.44531</u> 1.16737	0.36020 -0.00005 -0.25135	0.19288 0.00005 0.36940	-0.95205 -0.68043	0.31348 -0.16597 -0.11943	22.20938 1.73651 0.31512	0.11928 0.00933 0.00159
<u>28</u> 1	2.36585 172.92676	1.94623 4743.44531	0.36020 -0.00005	0.19288 0.00005	-0.95205	0.31348 -0.16597	22.20938 1.73651	0.11928 0.00933
<u>28 1</u> 29 30	2.36585 <u>172.92676</u> 2.05877 <u>1.51219</u>	1.94623 4743.44531 1.16737 1.98899	0.36020 -0.00005 -0.25135 0.33130	0.19288 0.00005 0.36940	-0.95205 -0.68043	0.31348 -0.16597 -0.11943 0.28875	22.20938 1.73651 0.31512	0.11928 0.00933 0.00159
<u>28 1</u> 29 <u>30</u> 23 SAMPLE	2.36585 <u>172.92676</u> 2.05877 <u>1.51219</u> 2.53658 SIZE ENT VARIA	1.94623 4743.44531 1.16737 1.96899 2.15752 41 BLE IS NOW N	0.36020 -0.00005 -0.25135 0.33130 TA	0.19288 0.00005 0.36940 0.19419 BLE 26	-0.95205 -0.68043 1.70607 OVER 100,00 COE	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 FFICIENT OF	22.20938 1.73651 0.31512	0.11978 0.00933 0.00169 0.03892
28 1 29 30 23 SAMPLE DEPEND	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL	1.94623 4743.44531 1.16737 1.56899 2.15752 41 BLE IS NOW N4 YSIS OF VARI	0.36020 -0.00005 -0.25135 0.33130 TA D. 22 ANCE FOR TH SEGRESSIUN	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI	0.31348 -0.16597 -0.11943 0.28875 	22.20938 1.73651 0.31512 7.24616 DETERMINATION	0.11928 0.00933 0.00169 0.03892 0.5388
28 1 29 30 23 SAMPLE DEPEND	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI	1.94623 4743.44531 1.16737 1.98899 2.15752 41 BLE IS NOW NO .YSIS OF VARIA LINCAR F	0.36020 -0.00005 -0.25135 0.33130 TA D. 22 ANCE FOR TH EGRESSIUN C.F. SQ	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM OF UARES	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 FFICIENT OF JTIPLE CORR.	22.20938 1.73651 0.31512 7.24616 DETERMINATION	0.11928 0.00933 0.00169 0.03892 0.5388
28 1 29 30 23 SAMPLE DEPEND SOUF	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION	1.94623 4743.44531 1.16737 1.98899 2.15752 41 BLE IS NOW NO .YSIS OF VARI LINCAR F	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH EGRESSIUN C.F. S SQ 8 66	0.19288 0.00005 0.36940 0.19419 BLE 26 F MULT IPLE UM OF UARES .70044	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 FFICIENT OF TIPLE CORR.	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT	0.11928 0.00933 0.00169 0.03892 0.5388
28 1 29 30 23 SAMPLE DEPEND	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION	1.94623 4743.44531 1.16737 1.968999 2.15752 41 BLE IS NOW NO YSIS OF VARI LINCAR F ATICN	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH CEGRESSIUN C.F. S SQ 8 66 32 57	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM OF UARES	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 FFICIENT OF JTIPLE CORR. F VALUE	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT	0.11928 0.00933 0.00169 0.03892 0.5388
28 1 29 30 23 SAMPLE DEPEND SOUF	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION	1.94623 4743.44531 1.16737 1.968999 2.15752 41 BLE IS NOW NO YSIS OF VARI LINCAR F ATICN	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH CEGRESSIUN C.F. S SQ 8 66 32 57	0.19288 0.00005 0.36940 0.19419 BLE 26 F MULT IPLE UM DF UARES .70044 .10449	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 FFICIENT OF JTIPLE CORR. F VALUE	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT	0.11928 0.00933 0.00169 0.03892 0.5388
28 1 29 30 23 SAMPLE DEPEND SOUF DUE TO REC OEVIATION	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION	1.94623 4743.44531 1.16737 1.98899 2.15752 41 BLE IS NOW NO YSIS OF VARIA LINCAR F ATICN RESSICN TOTAL	0.36020 -0.00005 -0.25135 0.33130 TA D. 22 ANCE FOR TH EGRESSIUN C-F- SU 8 632 57 40 123 REG.	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM DF UARES .70044 .10449 .80493 STD.ERFOR	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 00 KEY 1	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 SUM OF SQ.	0.11928 0.00933 0.00159 0.03892 0.5388 0.7340
28 1 29 30 23 SAMPLE DEPEND SOUF OUE TO REC OEVIATION	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION ABOUT REGE	1.94623 4743.44531 1.16737 1.98899 2.15752 41 BLE IS NOW NG .YSIS OF VARIA LINCAR F ATICN	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH EGRESSIUN C.F. S 8 66 32 57 40 123	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM OF UARES .70044 .10449 .80493	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 2FFICIENT OF JTIPLE CORR. F VALUE 4.6722	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 SUM OF SQ.	0.11928 0.00923 0.00159 0.03892 0.5388 0.7340
28 1 29 30 23 23 SAMPLE DEPEND OUE TO. REC OEVIATION VARIABLE NO. 1 9	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL ANAL CCE OF VARI RESSION ABOUT REGE MEAN 1.51219 4.30073	1.94623 4743.44531 1.16737 1.56899 2.15752 41 BLE IS NOW N4 YSIS OF VARI LINCAR F IATICN CESSICN TOTAL STD. DEVIATICN C.84030 1.87261	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH <u>EGRESSIUN</u> C-F- S 8 66 32 57 40 123 REG. <u>COEFF</u> . 0.12647 0.58401	0.19288 0.00005 0.36940 0.19419 BLE 26 F MULT IPLE UM OF UARES .70044 .10449 .80493 STD.ERFOR OF REG.CO 0.27832 0.15441	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED E. T VALUE 0.45440 3.78212	0.31348 -0.16597 -0.11943 0.28875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8807 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8855 0.8855 0.8855 0.8855 0.8855 0.8855 0.88555 0.88555 0.88555 0.88555 0.88555 0.885555 0.885555 0.8855555 0.88555555 0.8855555555555555555555555555555555555	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 SUM OF SQ.	0.11928 0.00933 0.00159 0.03892 0.5388 0.7340 PROP. VAR CIM.
28 1 29 30 23 23 SAMPLE DEPEND SOUF DUE TO REC OEVIATION VARIABLE NO. 1 9 10	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL ANAL ANAL RCE OF VARI SRESSION ABOUT REGE MEAN 1.51219 4.30973 3.72663	1.94623 4743.44531 1.16737 1.96899 2.15752 41 BLE IS NOW NO .YSIS OF VARIA LINCAR F ATICN RESSICN TOTAL STD. DEVIATICN C.84030 1.87261 1.90072	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH EGRESSIUN C-F- S 8 66 32 57 40 123 REG. COEFF. 0.12647 0.58401 -0.12531	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM OF UARES .70044 .10449 .80493 STD.ERFOR OF REG.CO 0.27832 0.15441 0.15800	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED E. T VALUE 0.45440 0.45440 0.378212 -0.79312	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 00 KE	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. ADDFD 1.53545 46.09537 0.00075	0.11928 0.00923 0.00169 0.03892 0.5388 0.7340 PROP. VAR CIM. 0.01240 0.37232 0.00001
28 1 29 30 23 SAMPLE DEPEND SOUF DUE TO REC OEVIATION VARIABLE NO. 1 9 10 26 43	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI SRESSIUN ABOUT REGF VEAN 1.51219 4.30073 3./2663 2789.24219	1.94623 4743.44531 1.16737 1.988999 2.15752 41 BLE IS NOW NO YSIS OF VARI LINCAR F ATICN RESSICN TOTAL STD. DEVIATICN C.84030 1.87261 1.90072 62973.77344	0.36020 -0.00005 -0.25135 0.33130 TA D. 22 ANCE FOP TH EGRESSIUN C-F- SU B 6632 57 40 123 REG. COEFF. 0.12647 0.58401 -U.12531 0.00000	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM DF UARES .70044 .10449 .80493 STD.ERFOR OF RCG.CO 0.27832 0.1541 0.15800 0.00000	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 CO4PUTEC E. T VALUE 0.45440 3.78212 -0.7312 0.90388	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 FFICIENT OF JTIPLE CORR. F VALUE 4.6722 0.08507 0.55511 -0.13885 0.15776	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. <u>ADDED</u> 1.53545 46.09537 0.00075 3.49609	0.11928 0.00933 0.00159 0.03892 0.5388 0.7340 0.7340 PROP. VAR CIM. 0.01240 0.37232 0.00001 0.02824
28 1 29 30 23 SAMPLE DEPEND SOUF DUE TO REC OEVIATION VARIABLE NO. 1 9 10 26 42 27	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION ABOUT REGE MEAN 1.51219 4.3073 3.72653 2789.24219 2.36585	1.94623 4743.44531 1.16737 1.98899 2.15752 41 BLE IS NOW NO YSIS OF VARI LINCAR F ATICN C.84030 1.87261 1.90072 62973.77344 1.94623	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH EGRESSIUN C.F. S 0.123 REG. COEFF. 0.12647 0.58401 -U.12531 0.0000 -0.05174	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM DF UARES .70044 .10449 .80493 STD.ERFOR OF REG.CO 0.27832 0.15441 0.15800 0.00000 0.16331	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED 6. T VALUE 0.45440 3.78212 -0.7%312 0.96388 -0.31682	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 00 KE	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 	0.11928 0.00933 0.00159 0.03892 0.5388 0.7340 0.7340 0.01240 0.01240 0.01240 0.01240 0.02824 0.00001 0.02824
28 1 29 30 23 23 SAMPLE DEPEND DEPEND OUE TO REC OEVIATION VARIABLE NO. 1 9 1 10 26 42 27 28	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARIA ABOUT REGE MEAN 1.51219 4.30073 3.726535 2789.224219 2.36585 1172.92676	1.94623 4743.44531 1.16737 1.58899 2.15752 41 BLE IS NOW NO YSIS OF VARI LINCAR / ATICN TOTAL STD. DEVIATICN C.84030 1.87261 1.90072 62973.77344 1.94623 4743.44531	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH EGRESSIUN C.F. S 8 66 32 57 40 123 REG. COEFF. 0.12647 0.58401 -0.12531 0.00005	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM OF UARES .70044 .10449 .80493 STD.ERFOR OF REG.CO 0.27832 0.15800 0.00000 0.00000	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED 6.45440 3.78212 -0.7\312 0.90388 -0.31682 -0.99090	0.31348 -0.16597 -0.11943 0.28875 0.28875 0.0 KEY 1 FFICIENT OF JTIPLE CORR. F VALUE 4.6722 0.08307 0.55581 -0.13885 0.15776 -0.05592 -0.17254	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 SUM OF SQ. ADDED 1.53545 46.09537 0.00075 3.49609 2.56394 4.07066	0.11928 0.00933 0.00159 0.03892 0.5388 0.7340 0.7340 0.01240 0.01240 0.37232 0.00001 0.02824 0.02071 0.03288
28 1 29 30 23 23 SAMPLE DEPEND 500F DUE TO REC 0EVIATION VARIABLE NO. 1 9 10 26 42 27	2.36585 172.92676 2.05877 1.51219 2.53658 SIZE ENT VARIA ANAL RCE OF VARI GRESSION ABOUT REGE MEAN 1.51219 4.3073 3.72653 2789.24219 2.36585	1.94623 4743.44531 1.16737 1.58899 2.15752 41 BLE IS NOW N4 YSIS OF VARI LINCAR F IATICN TOTAL ESSICN TOTAL C.84030 1.87261 1.90072 62973.77344 1.94623 4743.44531 1.16737	0.36020 -0.00005 -0.25135 0.33130 TA TA D. 22 ANCE FOR TH EGRESSIUN C.F. S 0.123 REG. COEFF. 0.12647 0.58401 -U.12531 0.0000 -0.05174	0.19288 0.00005 0.36940 C.19419 BLE 26 F MULT IPLE UM DF UARES .70044 .10449 .80493 STD.ERFOR OF REG.CO 0.27832 0.15441 0.15800 0.00000 0.16331	-0.95205 -0.68043 1.70607 OVER 100,00 COE MUI MFAN SQUARES 8.33755 1.78452 COMPUTED 6. T VALUE 0.45440 3.78212 -0.7%312 0.96388 -0.31682	0.31348 -0.16597 -0.11943 0.28875 00 KEY 1 00 KE	22.20938 1.73651 0.31512 7.24616 DETERMINATION COEFFICIENT P <.01 	0.11928 0.00933 0.00159 0.03892 0.5388 0.7340 0.7340 0.01240 0.01240 0.01240 0.01240 0.02824 0.00001 0.02824

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### TABLE 27 OVER 100,000 KEY 1

OUE         TU         REGRESSIC           DEVIATION         ABOUT           VARIADLE         MF/           N0-         1.51           9         4.83           10         3.72           26         42739-24           27         2.36           28         1172.97           29         2.00           30         1.51           25         4.03           SAMPLE SIZE           DEPENDENT VA	L VARIATION REGRESSIO TOTA TOTA 219 C 373 1 219 62973 5805 1 5605 1 5605 1 5605 1 5605 1 219 62973 5807 1 219 1 21	INEAR P 0 0 0 0 0 0 0 0 0 0 0 0 0	SQL 8 43. 92 21. 90 64. 	JM OF JARES .35057 .62526 .97583 STD.ERROR OF REG.COE 0.17128 0.05502 0.09773 0.00000 0.10350 0.1050 0.15246 0.10118	MEAN SQUARES 5.41882 0.67579 COMPUTEC E. TVAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.58105 -1.78445 OVER 100,000	F VALUF 8.0185 PARTIAL CCFR. COF. 0.09062 0.46637 -0.02081 -0.20344 C.01866 0.34570 0.62934 -0.3084	P <.01 SUM (IF SO. ADDFD 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582 2.15188	PR(1P. VAP. C(1M. 0.01641 0.26427 0.03375 0.00001 0.11145 0.01247 0.19570 0.03312
DUE         TU         REGRESSIC           DEVIATION         A80UT           VARIADI.E         MEA           NO.         1           1         1.51           9         4.83           10         3.72           26         42739.24           27         2.36           28         1172.93           30         1.51           25         4.03           SAMPLE SIZE         DEPENDENT VA           SOURCE         OF	VARIATION REGRESSIO TOTA TOTA 	STC. VIATION 84030 87261 94072 94623 44531 16737 58899 27452 NOW NO	REG.           COEFF.         SQL           8         43.           32         21.           60         64.           COEFF.         COB916           0.29922         -0.01145           -0.00000         0.01073           0.00006         0.88168           -0.18054         TAE	JARES .35057 .62526 .97583 STD.ERROR OF REG.C(1E 0.17128 0.05502 U.09723 U.09723 U.09723 0.00000 0.10350 0.10050 0.10246 0.10118	SQUARES 5.41882 0.67579 COMPUTED E. T VAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.56105 -1.78445	VALUF 8.0185 PARTIAL CCFR. COF. 0.09062 0.4E637 -0.02061 -0.20344 C.01868 0.34570 0.62934	<.01 SUM (IF SO. ADDFD 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
DEVIATION ABOUT VARIADLE MF/ NO. 1 1.51 9 4.83 10 3.72 26 42739.24 27 2.36 28 1172.93 29 2.05 30 1.51 25 4.03 SAMPLE SIZE DEPENDENT VA	REGRESSIO TUTA TUTA 219 C 219 C 219 C 219 62973 1 2603 1 2603 1 219 62973 1 2676 4743 2877 1 219 1 2676 4743 2877 1 219 1 2439 1 41 RIABLE IS ANALYSIS	N 3 N 4 STC. VIATION .84030 .87261 .90072 .77344 .94623 .44531 .16737 .58899 .27452 NOW NO	8 43. 32 21. 50 64. COEFF. C.08916 0.29922 -0.01145 -0.00000 0.01073 0.00006 0.08168 -0.18054 TAE	.35057 .62526 .97583 STD.ERROR DF REG.COE 0.17128 0.05502 0.09723 0.00000 0.10350 0.00003 0.15246 0.10118	5.41882 0.67579 COMPUTED E. T VAL'IF 0.51472 3.14834 -0.1177541 0.10680 2.08404 4.58105 -1.78445	B.0185 PARTIAL CCFR. COF. 0.09062 0.46637 -0.02081 -0.20344 C.01868 0.34570 0.62934	<.01 SUM (IF SO. ADDFD 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
DEVIATION ABOUT VARIADLE MF/ NO. 1 1.51 9 4.33 10 3.72 26 42739.24 27 2.36 28 1172.93 29 2.05 30 1.51 25 4.03 SAMPLE SIZE DEPENDENT VA	REGRESSIO TUTA TUTA 219 C 219 C 219 C 219 62973 1 2603 1 2603 1 219 62973 1 2676 4743 2877 1 219 1 2676 4743 2877 1 219 1 2439 1 41 RIABLE IS ANALYSIS	N 3 N 4 STC. VIATION .84030 .87261 .90072 .77344 .94623 .44531 .16737 .58899 .27452 NOW NO	REG. COEFF. COEFF. C.08916 0.29922 -0.01145 -0.0000 0.01073 0.00006 0.88168 -0.18054 TAE	.62526 .97583 STD.ERROR DF REG.COE 0.17128 0.05502 0.09773 0.00000 0.10350 0.00003 0.15246 0.10118	COMPUTED E. T VAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.58105 -1.78445	PARTIAL CCFR. COF. 0.09062 0.46637 -0.02081 -U.20344 C.01868 0.34570 0.62934	SUM (IF SO. ADDFD 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
VARIABLE MFA NU- 1 1.5 9 4.83 10 3.7 26 42789.24 27 2.36 28 1172.9 29 2.05 30 1.55 25 4.03 SAMPLE SIZE DEPENDENT VA SOURCE OF	TOTA UE 219 C 373 1 603 1 505 1 676 4743 6877 1 219 1 6877 1 219 1 639 1 41 RIABLE IS ANALYSIS	STC. VIATION •84030 •87261 •94072 •77344 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623 •94623	REG. COEFF. 0.08916 0.29922 -0.01145 -0.00000 0.01073 0.00006 0.88168 -0.18054 TAE	.97583 STD.ERROR OF REG.COE 0.17128 0.05502 0.00000 0.10050 0.00003 0.15246 0.10118	COMPUTEO E. T VAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.58105 -1.78445	CCFR. CNF. 0.09062 0.48637 -0.C2081 -0.20344 C.01868 0.34570 0.62934	SUM (IF SO. ADDFD 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
NO. 1 1.5 9 4.83 10 3.7 26 42789.24 27 2.36 28 1172.9 29 2.05 30 1.5 25 4.03 SAMPLE SIZE DEPENDENT VA	UE 219 C 373 1 4683 1 219 62973 585 1 2676 4743 877 1 219 1 249 1 41 RIABLE IS ANALYSIS	<u>viation</u> .84030 <u>.87261</u> .90072 .77344 .94623 <u>.44531</u> .16737 <u>.58899</u> .27452	<u>COEFF</u> . 0.08916 0.29922 -0.01145 -0.0000 0.01073 0.00006 0.88168 -0.18054 TAE	OF REG.COE 0.17128 0.05502 0.09773 0.00000 0.10350 0.00003 0.15246 0.10118	E. T VAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.58105 -1.78445	CCFR. CNF. 0.09062 0.48637 -0.C2081 -0.20344 C.01868 0.34570 0.62934	ADDED 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
NO. 1 1.5 9 4.83 10 3.77 26 42789.24 27 2.36 28 1172.9 29 2.05 30 1.5 25 4.03 SAMPLE SIZE DEPENDENT VA	UE 219 C 373 1 4683 1 219 62973 585 1 2676 4743 877 1 219 1 249 1 41 RIABLE IS ANALYSIS	<u>viation</u> .84030 <u>.87261</u> .90072 .77344 .94623 <u>.44531</u> .16737 <u>.58899</u> .27452	<u>COEFF</u> . 0.08916 0.29922 -0.01145 -0.0000 0.01073 0.00006 0.88168 -0.18054 TAE	OF REG.COE 0.17128 0.05502 0.09773 0.00000 0.10350 0.00003 0.15246 0.10118	E. T VAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.58105 -1.78445	CCFR. CNF. 0.09062 0.48637 -0.C2081 -0.20344 C.01868 0.34570 0.62934	ADDED 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
NO. 1 1.5 9 4.83 10 3.77 26 42789.24 27 2.36 28 1172.9 29 2.05 30 1.5 25 4.03 SAMPLE SIZE DEPENDENT VA	UE 219 C 373 1 4683 1 219 62973 585 1 2676 4743 877 1 219 1 249 1 41 RIABLE IS ANALYSIS	<u>viation</u> .84030 <u>.87261</u> .90072 .77344 .94623 <u>.44531</u> .16737 <u>.58899</u> .27452	<u>COEFF</u> . 0.08916 0.29922 -0.01145 -0.0000 0.01073 0.00006 0.88168 -0.18054 TAE	OF REG.COE 0.17128 0.05502 0.09773 0.00000 0.10350 0.00003 0.15246 0.10118	E. T VAL'IF 0.51472 3.14834 -0.11775 -1.17541 0.10680 2.08404 4.58105 -1.78445	CCFR. CNF. 0.09062 0.48637 -0.C2081 -0.20344 C.01868 0.34570 0.62934	ADDED 1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	C1/M. 0.01641 0.26427 0.03375 0.0001 0.11145 0.01247 0.19570
1 1.5 9 4.83 10 3.72 26 42739.24 27 2.36 28 1172.93 29 2.09 30 1.51 25 4.03 SAMPLE SIZE DEPENDENT VA	219 C 373 1 3683 1 3219 62973 585 1 3676 4743 3877 1 219 1 3877 1 219 1 41 RIABLE IS ANALYSIS	. 84030 . 87261 . 90072 . 77344 . 94623 . 44531 . 16737 . 58899 . 27452 NOW NO	0.08916 0.29922 -0.01145 -0.00000 0.01073 0.00006 0.88168 -0.18054 TAE	0.17128 0.05502 0.09773 0.00000 0.10050 0.00003 0.15246 0.10118	0.51472 3.14834 -0.11775 -1.17541 0.10680 ?.08404 4.58105 -1.78445	0.09062 0.48637 -0.02081 -0.20344 C.01868 0.34570 0.62934	1.06628 17.17110 2.19320 0.00081 7.24142 0.81006 12.71582	0.01641 0.26427 0.03375 0.00001 0.11145 0.01247 0.19570
10 3.72 26 42739.24 27 2.36 28 1172.93 29 2.05 30 1.51 25 4.03 SAMPLE SIZE DEPENDENT VA SOURCE OF	41 RIABLE IS AINAL YSI S	. 90072 . 77344 . 94623 . 44531 . 16737 . 58899 . 27452 NOW NO	-0.01145 -0.00000 0.01073 0.00006 0.08168 -0.18054 TAE	0.09723 0.00000 0.10350 0.00003 0.15246 0.10118	-J.11775 -1.17541 0.10680 ?.J8404 4.58105 -1.78445	-0.02081 -0.20344 0.01888 0.34570 0.62934	2.19320 0.00081 7.24142 0.81006 12.71582	0.03375 0.00001 0.11145 0.01247 0.19570
26 42739.24 27 2.36 28 1172.92 29 2.05 30 1.5 25 4.00 SAMPLE SIZE DEPENDENT VA	219 62973 585 1 676 4743 877 1 219 1 2439 1 4439 1 41 RIABLE IS ANALYSIS	. 77344 . 94623 . 44531 . 16737 . 58899 . 27452	-0.0000 0.01073 0.00006 0.88168 -0.18054 TAE	0.00000 0.10050 0.00003 0.15246 0.10118	-1.17541 0.10680 ?.08404 4.56105 -1.78445	-0.20344 C.01868 0.34570 0.62934	<u>0.00081</u> 7.24142 <u>0.81006</u> 12.71582	0.00001 0.11145 0.01247 0.19570
27 2.36 28 1172-93 29 2.09 30 1.51 25 4.03 SAMPLE SIZE DEPENDENT VA SOURCE OF	41 1219 1439 1439 1439 1 1439 1 1 1 1 1 1 1 1 1 1 1 1 1	.94623 .44531 .16737 .58899 .27452	0.01073 0.00006 0.08168 -0.18054 	0.10050 0.00003 0.15246 0.10118	0.10680 ?.08404 4.58105 -1.78445	C.01868 0.34570 0.62934	7.24142 0.81006 12.71582	0.11145 0.01247 0.19570
28 1172-93 29 2-09 30 1-51 25 4-03 55 4-03 SAMPLE SIZE DEPENDENT VA	41 RIABLE IS ANALYSIS	. 44531 . 16737 . 58899 . 27452 NOW NO	0.00006 0.88168 -0.18054 	0.00003	<u>?.08404</u> 4.58105 -1.78445	0.34570	0.81006	0.01247 0.19570
29 2.09 30 1.51 25 4.03 SAMPLE SIZE DEPENDENT VA	41 AINALYSIS	. 16737 . 58899 . 27452 NOW NO	0.88168 -0.18054 -TAE	0.15246 0.10118	4.58105 -1.78445	0.€2934	12.71582	0.19570
SAMPLE SIZE DEPENDENT VA	41 41 AIABLE IS ANALYSIS	<u>. 58899</u> • 2745 2 • 000 NO	-0.18054  TAE	0.10118	-1.78445			
SAMPLE SIZE DEPENDENT VA	439 1 41 RIABLE IS ANALYSI S	• 2745 2 NOW NO	TAE					
DEPENDENT VA	RIABLE IS	-		3LE 28 C				0.000012
DEPENDENT VA	RIABLE IS	-	21		J. DIC 100,000	KEY 1		
SOURCE OF	ANALYSIS	-	21				ETERMINATION	0.4977
			-		MULT	TIPLE CORR. (	COEFFICIENT	0.7055
			ANCE FUR THE Regression	MULTIPLE				
NUE TO RECORCE	VARIATICN		D.F. SU	UM OF	MFAN	F		
	L AL	_			SQUAPES	VALUE	<u>p</u>	
DEVIATION ABOUT				.ÚC676 .77376	10.25084 2.58663	3.9629	<.01	
DEVILITION ACOUT	TUTA			.78052	2.0008		<u> </u>	
VARIABLE MEA	. N	STD.	REG.	STU. CRROR	COMPUTEO	PARTIAL		01130 1/40
NO.		VIATION	COEFF.	OF REG.COE		COFR. COE.	SUM OF SQ. Added	PRJP. VAR. CUM.
1 1.5		.84030	-0.35428	0.33509	-1.05727	-0.18372	1.47911	0.00898
		.87261	0.36185	0.18591	1.94637	0.32535	13.34797	0.08100
		•90072	-0.07876	0.19022	-0.41406	-0.07300	0.97947	0.00594
	219 62573		0.00001	0.00000	1.40604	0.24122	18.30405	0.11108
		.94623	0.49110	0.19661	2.49781	0.40393	33.62715	0.20407
$\frac{28}{29}$ $\frac{1172.92}{2.09}$		<u>.44531</u> .16737	-0.00007 -0.44571	0.00006	-1.25016	-0.21575	2.73561	0.01660
		• 10/5/	0.41795	0.37654 0.15794	-1.18370 2.11145	-0.20482	0.00155	0.00001
		• 02966	0.41195	0.197-4	2.11145	0.34969	11.53207	0.06998
			 TAE	BLE 29 C	OVER 100,000			
SAMPLE SIZE	41				-		DETERMINATION	0.7035
DEPENDENT VA		NOW NO	). 20			TIPLE CORR.		0. 7035
					MOLI	IPLE CORR.	COEFFICIENT	0.0001
			ANCE FOR THI Regression	* MULTIPLE				
SOURCE OF	VARIATION			UM OF	MEAN		<u> </u>	
				UARES	SQUARES	VALUF	P	
OUE TO REGRESSIO				• 79269	14.22409	9.4900		
DEVIATION ABOUT				.96341	1.49886		<. <u>0</u> 1	
	TOTA	L 4	40 161	.75610				
				CTO EDUOD	COMPUTED	PAPTIAL		
VARIABLE ME	\N	STD.	REG.	STD.ERKOR		F AM 114L	SUM OF SQ.	PROP. VAR
NO.	0 6	VIATION	COEFF.	OF PEG.COS	E. T VALUE	COPR. COF.		PROP. VAR. CUM.
NO. 1 1.5	<u>0E</u>	<u>VIATION</u> •84030	COEFF.	OF PEG.COS 0.25508	E. T VALUE -3.00753	COPR. COF. -0.46944		CUM. 0.00071
ND. 1 1.5 9 4.80	0E 1219 0 1073 1	VIATION •84030 •87261	COEFF. -0.76715 0.14785	OF FEG.COS 0.25508 0.14152	E. T VALUE -3.00753 1.04478	COPR. COF. -0.46944 0.18162	A00FD 0.11534 11.95299	CUM. 0.00071 0.07390
ND. 1 1.5 9 4.80 10 3.7	0E 1219 0 0073 1 2683 1	VIATION .84030 .87261 .90072	COEFF. -0.76715 0.14785 0.25200	OF FEG.COS 0.25508 0.14152 0.14480	E. T VALUE -3.00753 1.04478 1.74036	COPR. COF. -0.46944 0.18162 0.29405	A00FD 0.11534 11.95299 10.38457	CUM. 0.00071 0.07390 0.06420
NO. 1 1.5 9 4.80 10 3.7 26 42789.24	0E 1219 0 1073 1 2683 1 1219 62973	<u>VIATION</u> •84030 •87261 •90072 •77344	COEFF. -0.76715 0.14785 0.25200 0.00001	OF PEG.COS 0.25508 0.14152 0.14480 0.00000	E. T VALUE -3.00753 1.04478 1.74036 2.32522	COPR. COF. -0.46944 0.18162 0.29405 0.36018	A00FD 0.11534 11.95299 10.38457 17.65236	CUM. 0.00071 0.07390 0.06420 0.10913
ND.           1         1.5           9         4.80           10         3.7           26         42789.2           27         2.3	0E 1219 0 1073 1 2683 1 1219 62973 5505 1	VIATION •84030 •87261 •90072 •77344 •94623	COEFF. -0.76715 0.14785 0.25200 0.00001 0.52756	OF FEG.COS 0.25508 0.14152 0.14480 0.00000 0.14967	E. T VALUE -3.00753 1.04478 1.74036 2.32522 3.52493	COPR. COF. -0.46944 0.18162 0.29405 0.36018 0.52886	A00FD 0.11534 11.95299 10.38457 17.65236 26.44852	CUM. 0.00071 0.07390 0.06420 0.10913 0.16351
NO.           1         1.5           9         4.8           10         3.7           26         42789.2           27         2.3           28         ,1172.9	0 E 1 2 1 9 0 1 0 7 3 1 2 6 8 3 1 2 6 8 3 1 2 1 9 6 2 9 7 3 5 5 8 5 1 2 6 7 6 4 7 4 3	VIATION •84030 •87261 •90072 •77344 •94623 •44531	COEFF. -0.76715 0.14785 0.25200 0.00001 0.52756 -C.00015	OF PEG.COS 0.25508 0.14152 0.14480 0.00000 0.14467 0.50004	E. T VALUE -3.00753 1.04478 1.74036 2.32522 3.52493 -3.61217	COPR. COF. -0.46944 0.18162 0.29405 0.36018 0.52886 -0.53819	400FD 0.11534 11.95299 10.38457 17.65236 26.44852 12.28257	CUM. 0.00071 0.07390 0.06420 0.10913 0.16351 0.07593
NO.           1         1.5           9         4.8           10         3.7           26         42789.22           27         2.3           28         ,1172.9           29         2.01           30         1.5	0 E 1 2 1 9 0 0 0 7 3 1 2 6 8 3 1 2 1 9 6 2 9 7 3 5 5 0 5 1 2 6 7 6 4 7 4 3 5 8 7 1	VIATION •84030 •87261 •90072 •77344 •94623	COEFF. -0.76715 0.14785 0.25200 0.00001 0.52756	OF FEG.COS 0.25508 0.14152 0.14480 0.00000 0.14967	E. T VALUE -3.00753 1.04478 1.74036 2.32522 3.52493	COPR. COF. -0.46944 0.18162 0.29405 0.36018 0.52886	A00FD 0.11534 11.95299 10.38457 17.65236 26.44852	CUM. 0.00071 0.07390 0.06420 0.10913 0.16351

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#### OVER 100,000 TABLE 30 KEY 1

SAMPLE SIZE 41 -- ------... COEFFICIENT OF DETERMINATION 0.5437 0.7374

DEPEN	DENT VARIA	BLE IS NOW NO	D. 19		MUL	TIPLE CORR.	COEFFICIENT	0.7374
	ANAL	YSIS OF VARIA	ANCE FOR T Regression					
SO	URCE OF VAR	I AT ION		SUM OF	MEAN SQUARES	F VALUF	ρ	
	EGRESSION			6.25849	12.28731 2.57756	4.7673	< 01	
DEVIATIO	N ABOUT REG			2.48203	2.07/100			
VARIABLE	MEAN	STD.	KEG.	STO.ERROR	COMPUTED	PARTIAL	SUM OF SO.	PROP. VAP
NO.		DEVIATION	CUEFF.			COPR. COE		CUM.
1	1.51219	C.84030	-0.62893	0.33450	-1.88020	-0.31541	0.70536	0.00390
9	4.30073	1.87261	0.15101	0.18555	0.91370	0.14238	1.36922	0.00757
10	3.72683	1.90072	-0.13575	0.18988	-0.71492	-0.12538	0.85294	2.10472
26	42789.24219	62973.77344	0.00001	0.00000	1.24293	0.21460	20.46191	0.11319
27	2.36585	1.94823	0.53715	0.19627	2.736.34	0.43552	51.58626	0.28535
28	1172.92670	4743.44531	-0.00013	0.00006	-2.41397	-0.39249	15.07504	U.08339
29	2.05877	1.16737	-0.11713	0.37588	-0.31161	-0.05500	1.44331	0.00798
30	1.51219	1.98899	0.32105	0.19759	1.62478	0.27606	6.80459	0.03764
19	2.92683	2.12591						
			T	ABLE 31	OVER 100,000	) KEY 1	_	

SAMPLE SIZE 41 DEPENDENT VARIABLE IS NOW NO. 18 OF VARIANCE LOR . ......

COEFFICIENT OF DETERMINATION 0.6209 MULTIPLE CORR. COEFFICIENT 0.7880

ANALYSIS OF VAR			F.		
I INE <u>AR</u>	REGRES				
SOURCE OF VARIATICN	D.F.	SUM OF SQUARES	MEAN SQUAPES	F VALUC	p
DUE TO REGRESSIGN	8 32	114.936C4 70.18604	14.36700 2.19331	6.5504	<.01
TOTAL	40	185.12207			

VARIABLE	MEAN	STD.	REG.	STD.ERFOF	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR.
NO	•	DEVIATION	CUEFF.	OF REG.COE.	T VALUE	COFR. COF.	ADDED	C 11M •
1	1.51219	C.84030	-0.32695	0.30856	-1.35927	-0.13406	5.03646	0.02721
9	4.30073	1.87261	0.24078	0.17119	1.40653	0.24129	2.42.945	0.01312
10	3.72683	1.90072	-0.14924	0.17516	-0.85200	-0.14893	0.40591	0.00219
26	42789.24219	62973.77344	0.00000	0.00000	0.96431	0.15112	12.23278	0.06608
27	2.36585	. 1.94623	0.65970	0.18105	3.64332	0.54152	60.83304	0.32861
28	1172.92676	4743.44531	-0.00009	0.0005	-1.81084	-0.30488	4.26320	0.02303
29	2.05877	1.16737	-0.74666	0.34673	-2.15342	-0.35577	0.00964	0.00005
30	1.51219	1.98899	0.67102	0.18227	3.68142	0.54545	29.72575	0.16057
18	3.14634	2.15129						

#### TABLE 32 OVER 100,000

KEY 1

SAMPLE SIZE 41 DEPENDENT VARIABLE IS NOW NO. 17 ANALYSIS OF VARIANCE FOR THE MULTIPLE

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COEFFICIENT OF DETERMINATION0.4503MULTIPLE CORR. COEFFICIENT0.6710

LINEAR_	<u>REGRES</u>	SSION				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	f		
		SQUARES	SQUAPES	VALUE	P	
DUE TO REGRESSION	8	79.75476	9.96935	3.2764	_	
DEVIATION ABOUT REGRESSION	32	97.36731	3.04273		<.01	
T OT AL	40	177.12207			-	

VARIABLE	MEAN	STO.	FEG.	STD.EKROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAP.
NO.		DEVIATION	COFFF.	OF REG.COE.	T VALUE	CORR. COE.	ADDED	C UM 🔹
1	1.51219	C.84030	0.53611	0.36343	1.47514	0.25233	3.59260	0.02028
9	4,30073	1.87261	0.08016	0.20163	0.39753	0.07010	25.50537	0.14400
10	3.72683	1.90072	0.50703	0.20631	2.45765	0.29848	23.81558	0.13446
26	42789.24219	62973.77344	-0.00000	0.00001	-0.38811	-0.06345	0.46495	9.00263
27	2.36585	1.94623	0.03986	0.21324	0.18695	0.03303	0.08532	0.00048
28	1172.92676	4743.44531	0,00003	0+00006	0.53538	0.09422	0.03352	0.00019
29	2.05877	1.16737	0.83370	0.40839	2.04143	0.33945	0.67999	0.00384
30	1.51219	1.98899	-0.62244	0.21469	-2.89933	-0.45612	25.57767	0.14441
17	.3.85366	2.10429						

#### TABLE 33 OVER 100,000 KEY 1

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DEPENDI		LE IS NOW NO		MULTIPLE			DETERMINATION COEFFICIENT	0.5683 0.7539
SOUF	RCE OF VAPIA			IM OF	WFAN			
	GRESSION			JARES	SOUAPES	VALUE	P	
	ABOUT REGRE			.03281	15.50410 2.94410	5+2662	<.01	
				24414	2.94410			
VARI ABLE	MEAN		REG.	STD.ERPOP	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR.
<u>NO.</u>		DEVIATION	COEFF.	OF REG.COE		COPP . COE		CUM .
1 9	1.51219 4.80073	C.84030 1.87261	0.29128 -0.05720	0.35749 0.19834	0.81475	0.14256 -0.05092	0.26394	0.00123
10	3.72683	1.90072	0.74346	0.20294	3.66350	0.54359	<u>32.02513</u> 41.35106	<u>0.14674</u> 7.18947
	2789.24219 6		<u>-0.0</u> 0000	0.0001	-0.04488	-0.00793	0.02050	0.0009
27	2.36585	1.94623	-0.34766	0.20976	-1.65744	-0.28118	10.60193	J.04858
<u>28 1</u> 29	<u>1172.92676</u> 2.05877	<u>4743.44531</u> 1.16737	<u>0.00006</u> 1.13439	0.00006	0.98404	0.17138		0.00205
30	1.51219	1.98899	-0.74243	0.40171 0.21118	2.82367 -3.51567	0.44664 -0.52785	2.92684 36.38893	0.01342
16	3.51219	2.33583					200 10 07 3	0.16673
			TAI	BLE 34	OVER 100,000	KEY 1		
SAMPLE DEPEND	ENT VARIAB	LE IS NOW NO		E MULTIPLE			DETERMINATION COEFFICIENT	0. 4073 0. 6382
enu			REGRESSION			<i>c</i>		
200	RCE OF VARIA	ATION		UM DF UARES	MEAN	F VALUE	р	
DUE TO RE	GRESSION			• 58144	14.19768	2.7485	<u> </u>	
DEVIATION	ABOUT REGRE	SSICN		.29674	5.16552		<.05	
VARIA8LE NO.	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR	COMPUTED		SUM OF SQ.	PRIJP. VAR
1	1.51219	C.84030	0.25541	OF REG.CD 0.47353	E. <u>T VALUE</u> 0.53937	<u>CORR.COF</u> 0.07492	<u>. ADDED</u> 1.01017	<u> </u>
9	4.90073	1.87261	-0.02263	0.26271	-0.08612	-0.01522	18.76300	0.06728
10	3.72683	1.90072	0.60853	0.26881	2.26381	0.37154	23.25415	0.08336
<u>26 4</u> 27	2 <u>,2789.24219 (</u> 2.36585	<u>52973.77344</u> 1.94623	-0.23462	<u>C.00001</u>	0.21229	0.03750	0.82857	0.00297
			0.00012	0.27784 0.00008	-0.84443 1.52289	-0.14764 C.25995	15.01766 7.65511	0.05385 0.02749
29	2.05877	1.16737	0.85855	0.53211	1.61349	0.27429	0.08556	0.0003
<u> </u>	<u>    1.51219</u> 3.68293	<u>l.98899</u> 2.64045	-0,84347	0.27972	-3.01537	-0.47039	46.96742	0.16842
-			тая	BLE 35				
					OVER 100,000	O KEY 1		
SAMPLE DEPEND			•		COEI	FICIENT OF	DETERMINATION	
DEPEND	ENT VARIABI	LE IS NOW NO SIS OF VARI/ LINEAR P	D. 14 INCE FUR THE EGRESSION	MULTIPLE	COEH MULT	FFICIENT OF FIPLE CORR.	DETERMINATION COEFFICIENT	0. 4774 0. 6909
DEPEND	ENT VARIAB	LE IS NOW NO SIS OF VARI/ LINEAR P	D. 14 INCE FUR THE EGRESSION C.F. SU	MULTIPLE	COEF MULT	FFICIENT OF FIPLE CORR.	COEFFICIENT	
DEPEND	ENT VARIABI ANALY RCE CF VARIA	LE IS NOW NO SIS OF VARIA LINEAR P TION (	D. 14 INCE FUR THE EGRESSION C.F. SU SQU	MULTIPLE M OF ARES	COEI MULT	FICIENT OF FIPLE CORR.	DETERMINATION COEFFICIENT	
DEPEND	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRE	LE IS NOW NO SI3 OF VARI/ LINEAR P TION F SSICN 3	D. 14 NICE FUR THE EGRESSION C.F. SU 8 960 8 960 12 105.	MULTIPLE	COEF MULT	FFICIENT OF FIPLE CORR.	COEFFICIENT	
DEPEND	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRE	LE IS NOW NO SI3 OF VARI/ LINEAR P TION ( SSICN 3	D. 14 NICE FUR THE EGRESSION C.F. SU 8 960 8 960 12 105.	MULT IPL L M OF ARES 22350 33754	COEI MUL7 MEAN SQUAPES 12.02794	FICIENT OF FIPLE CORR.	P	
DEPEND SOUR DUE TO REC DEVIATION VARIABLE	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRE	LE IS NOW NO SIS OF VARI/ LINEAR P TION F SSICN 3 TOTAL 4 STD.	D. 14 NCE FUR THE EGRESSION C.F. SU 8 96. 2 105. 0 201. REG.	MULTIPLE M OF ARES 22350 33754 56104 STD.ERROR	COEI MUL7 SQUAPES 12.02794 3.29180 COMPUTE0	FICIENT OF FIPLE CORR. F VALUF 3.6539 PARTIAL	COEFFICIENT P <.01 SUM OF 50.	0. 6909
DEPEND SOUR DUE TO REC DEVIATION VARIABLE ND.	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRF	LE IS NOW NO SIS OF VARI/ LINEAR P TION ( SSICN 3 TOTAL 4 STD. OEVIATION	D. 14 NCE FUR THE EGRESSION C.F. SUU 8 96. 2 105. 0 201. REG. COEFF.	MULTIPLE M OF ARES 22350 33754 56104 STD.ERROR OF RFG.COE	COEI MULT SOUAPES 12.02794 3.29180 COMPUTED . T VALUE	PARTIAL COPR. COF	COEFFICIENT  P  <.01  SUM OF SU.  ADDED	0.6909
DEPEND SOUR DUE TO REC DEVIATION VARIABLE	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT_REGRF MEAN 1.51219	LE IS NOW NO SIS OF VARI/ LINEAR P TION ( SSICN	D. 14 NCE FUR THE EGRESSION S.F. SU SQU 8 96. 2 105. 0 201. REG. COEFF. 0.08492	MULT IPL E ARES 22350 33754 56104 STD.ERROR OF RFG.COE 0.37801	COEI MUL SOUAPES 12.02794 3.29180 COMPUTED T VALUE 0.22439	PARTIAL COPR. COF	P           <.01	0.6909
DEPEND SOUR DUE TO REC DEVIATION VARIABLE ND. 1 9 9 10	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT_REGRE MEAN 1.51219 4.80073 3.72683	LE IS NOW NO SIS OF VARI/ LINEAR P TION f SSICN 3 TÚTAL 4 STC. OEVIATION G.84030 1.87261. 1.90072	D. 14 NCE FUR THE EGRESSION C.F. SUU 8 96. 2 105. 0 201. REG. COEFF.	MULTIPLE M OF ARES 22350 33754 56104 STD.ERROR OF RFG.COE	COEI MULT SOUAPES 12.02794 3.29180 COMPUTED . T VALUE	PARTIAL COPR. COF	COEFFICIENT  P  <.01  SUM OF SU.  ADDED	0.6909 PRIJP. VAR CU4. 0.00461 0.12207
DEPEND SOUR DUE TO REC DEVIATION VARIABLE ND. 1 9 26 42	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRF MEAN 1.51219 4.80073 3.72683 2789.24219 6	LE IS NOW NO SIS OF VARI/ LINEAR P TION ( SSICN	D. 14 NCE FUR THE EGRESSION C.F. SU 8 96. 2 105. 0 201. REG. COEFF. 0.08432 -0.07567 0.69610 0.00000	MULTIPLE MOF ARES 22350 33754 56104 STD.ERROR OF RFG.COE 0.37801 0.20972 0.21459 0.00001	COEI MUL7 SOUAPES 12.02794 3.29180 COMPUTED . T VALUE 0.22439 -0.35083 3.24395 0.39975	PARTIAL COPR. COF 0.03964 -0.06366 0.49747 0.07049	COEFFICIENT P <.01 SUM OF 50. . 10DEP D. 92881 24.60411 39.50346 2.11161	0.6909 PR()P. VAR CU'4. 0.00461 0.12207 0.12599 0.01048
DEPEND SOUR DUE TO REC DEVIATION VARIABLE ND. 1 9 10 26 42 27	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRF MEAN 1.51219 4.80073 3.72683 2789.24219 6 2.36585	LE IS NOW NO SIS OF VARI/ LINEAR P TION ( SSICN	D. 14 NCE FUR THE EGRESSION SQU 8 96 2 105 0 201 REG. COEFF. 0.08492 -0.07567 '0.69610 0.00000 -0.12566	MULTIPLE MOF ARES 22350 33754 56104 STD.ERROR OF RFG.COE 0.37801 0.20972 0.21459 0.00001 0.22180	COEI MUL7 SOUAPES 12.02794 3.29180 COMPUTED T VALUE 0.22439 -0.35083 3.24395 0.39975 -0.56657	PARTIAL COPR. COF 0.03964 -0.06366 0.49747 -0.09966	COEFFICIENT P <.01 SUM OF 50. . 10DEP D. 92881 24.60411 39.50346 2.11181 1.75357	0.6909 PR()P. VAR CU4. 0.00461 0.12207 0.19599 0.01048 7.00870
DEPEND SOUR DUE TO REC DEVIATION VARIABLE ND. 1 9 10 26 42 27	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRF MEAN 1.51219 4.90073 3.72683 2789.24219 6 2.36585 1172.92676	LE IS NOW NO SIS OF VARI/ LINEAR P TION ( SSICN	D. 14 NCE FUR THE EGRESSION S.F. SU 8 96. 2 105. 0 201. REG. COEFF. 0.08492 -0.07567 '0.69610 0.00000 -0.12566 -0.0001	MULTIPLE MOF 22350 33754 56104 STD.ERROR OF RFG.COE 0.37801 0.20972 0.21459 0.00001 0.22180 0.00006	COEI MUL SOUAPES 12.02794 3.29180 COMPUTED T VALUE 0.22439 -0.35083 3.24395 0.39975 -0.55657 -0.09399	PARTIAL COPR. COF 0.03964 -0.06366 0.49747 0.07049 -0.09966 -0.09966 -0.01661	COEFFICIENT P <.01 SUM OF 50. . 10DE0 	0.6909 PRIIP. VAR CU4. 0.00461 0.12207 0.19599 0.01048 7.00870 0.00464
DEPEND SOUR DUE TO REC DEVIATION VARIABLE ND. 1 9 10 27 28 1	ENT VARIABI ANALY RCE CF VARIA GRESSION ABOUT REGRF MEAN 1.51219 4.80073 3.72683 2789.24219 6 2.36585	LE IS NOW NO SIS OF VARI/ LINEAR P TION ( SSICN	D. 14 NCE FUR THE EGRESSION SQU 8 96 2 105 0 201 REG. COEFF. 0.08492 -0.07567 '0.69610 0.00000 -0.12566	MULTIPLE MOF ARES 22350 33754 56104 STD.ERROR OF RFG.COE 0.37801 0.20972 0.21459 0.00001 0.22180	COEI MUL7 SOUAPES 12.02794 3.29180 COMPUTED T VALUE 0.22439 -0.35083 3.24395 0.39975 -0.56657	PARTIAL COPR. COF 0.03964 -0.06366 0.49747 -0.09966	COEFFICIENT P <.01 SUM OF 50. . 10DEP D. 92881 24.60411 39.50346 2.11181 1.75357	0.6909 PR()P. VAR CU'4. 0.00461 0.12207 0.17599 0.01048 7.00870

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#### TABLE 36 OVER 100,000 KEY 1

SAMPLE SIZE	41		
DEPENDENT VA	RIABLE IS NO	W NO. 13	
	ANALYSIS OF	VAFIANCE FOR	THE MULTI
	LINE	AR REGRESSI	UN
SOURCE UF	VARIATION	D.F.	SUM OF

.

E

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.4009<br/>0.6332

		YSIS OF VAFI	O. 13		MULI	IF DE CORR.	COEFFICIENT	0.6332
		LINEAR						
SOUR	CE UF VARI	ATICN		SUM OF	MEAN	F.	0	
	RESSICN			QUARES 8.16577	SQUARES 11.02072	2.6770	<u> </u>	
	ABOUT REGR			1.73682	4.11678		<.05	
		TOTAL	4.) 21	9.90259				
ARIABLE	MEAN	STO.	REÚ.	STD.ERFOR		PASTIAL	SUM OF SQ.	PROP. VAR
<u> </u>		0EV1AT10				COFR. COF		С (М.
1 9	1.51219	C.84030 1.87261	C.02709 -0.03105		0.06407 -0.13239	0.01133 -0.02340	1.28499	0.00584 0.11057
10	3.72683	1.90072	0.04926		2.70550	0.47147	74.22171	0.1510
		62573.77344	<u> 3.00000</u>	0.00001	0.41735	<u>0.07359</u>	1.49592	9.0068
27	2.36585	1.94623	-0.18959		-0.76435	-0.13390	4.74343	7.0215
<u>28 1</u> 29	172.92676 2.05877	4743.44531 1.16737	0.00006 0.75638		<u>0.83437</u> 1.59650	<u>0.14592</u> 0.27161	1.06406	0.0048
30	1.51219	1.98899	-0.57091		-2.23622	-0.37471	21.51749	<u>0.0078</u>
13	4.04878	2.34469						
				ABLE 37	OVER 100,000	) КЕЧ 1		
SAMPLES	SIZE 4	1			COEF	FICIENT OF	DETERMINATION	0.4322
-		BLE IS NOW N	iO. 12				COEFFICIENT	0.6574
		YSIS OF VAR						
SUUR	CE OF VARI		D.F.	SUM OF QUARES	MFAN SHRAUDS	F		
				6.37459	8.29682	VALUE 3.0452	<u>Р</u>	
EVIATION	ABOUT REGR	ESSION		7.18645	2.72458	200122	<.05	
		TCTAL	40 15	3.56104				
_							-	-
ARIABLE	PEAN	STO. DEVIATIO	REG. N CDEFF.	STC.ERHOP OF REG.CO		PARTIAL CORN. COE	SUM OF SQ.	PROP. VA
1	1.51219	C.84030	0.36174	0.34391	1.05186	0.18261	1.67502	0.0109
9	4.80073	1.87261	0.07839		0.41086	0.07244	12.32869	<u>0.0802</u>
10 26 42	3.72683	1.90072 62973.77344			1.09270	0.13966	11.94007	0.0777
27 42	2.36585	1.94623			-0.28752 0.20451	-0.05075	<u>1.55505</u> 7.25355	0.0101 0.0472
	172.92676				-0.02631	-0.00465	1.51687	0.0098
29	2.05877	1.16737			3.21665	0.49430	12.76054	
				0.20315				
<u>30</u> 12	<u>1.51219</u> 4.24390	<u> </u>		0.20 1.5	-2.52207	-0.40729	17.33890	
12							17.33890	
12	4.24390				OVER 100,000		17.33890	
SAMPLE S	4.24390 	1.95934	T		OVER 100,000 COEF	) KEY 1 FICIENT OF	DETERMINATION	0.1129
SAMPLE S	4.24390 SIZE 4 CNT VARIAE	1.95934 11 3LE IS NOW N	T/	ABLE 38	OVER 100,000 COEF	) KEY 1 FICIENT OF		0.1129
12 SAMPLE S DEPENDE	4.24390 SIZE 4 SIZE 4 SNT VARIAE	1.95934 3LE IS NOW N .YSIS OF VAR LINFAF	TANCE FUR T REGRESSION	ABLE 38	OVER 100,000 COEF MULT	) KEY 1 FICIENT OF FIPLE CORR.	DETERMINATION	0.1129
12 SAMPLE S DEPENDE	4.24390 SIZE 4 CNT VARIAE	1.95934 3LE IS NOW N .YSIS OF VAR LINFAF	TANCE FLR T REGRESSION D.F.	ABLE 38	OVER 100,000 COEF MULT	) KEY 1 FICIENT OF FIPLE CORR.	DETERMINATION COEFFICIENT	0.1129
12 SAMPLE S DEPENDE SOUR	4.24390 SIZE 4 CNT VARIAE Sidal	1.95934 BLE IS NOW N VSIS OF VAR LINFAF	TANCE FLR T Regressiun D.F.	ABLE 38	OVER 100,000 COEF MULT MEAN SQUAFTS	FICIENT OF FICIENT OF FIPLE CORR.	DETERMINATION	0.3999
SAMPLE S DEPENDE SOUR	4.24390 SIZE 4 CNT VARIAE SHAL	1.95934 BLE IS NOW N YSIS OF VAR LINFAF	TA 10. 11 IANCE FLR T <u>REGRESSIUN</u> D.F. S 8	ABLE 38 HE MULTIPLE SUM OF SUM OF SUM RES HE-47186	OVER 100,000 COEF MULT MEAN SQUAFTS 0.05898	) KEY 1 FICIENT OF FIPLE CORR.	DETERMINATION COEFFICIENT	0.3999
12 SAMPLE : DEPENDE SOUR	4.24390 SIZE 4 CNT VARIAE SHAL	1.95934 BLE IS NOW N YSIS OF VAR LINFAF	TANCE FLR T REGRESSIUN D.F. 8 4 32 7	ABLE 38	OVER 100,000 COEF MULT MEAN SQUAFTS	FICIENT OF FICIENT OF FIPLE CORR.	DETERMINATION COEFFICIENT	0.1129
12 SAMPLE : DEPENDE SOUR	4.24390 SIZE 4 CNT VARIAE SHAL	1.95934 BLE IS NOW N VSIS OF VAR LINFAF ATION	TANCE FLR T REGRESSIUN D.F. 8 4 32 7	ABLE 38 ME MULTIPLE SUM OF GUARES GGA7186 22.74786	OVER 100,000 COEF MULT MEAN SQUAFTS 0.05898	FICIENT OF FICIENT OF FIPLE CORR.	DETERMINATION COEFFICIENT	0.3999
12 SAMPLE S DEPENDE SOUR DUE TU REG DEVIATION	4.24390 SIZE 4 CNT VARIAE SHAL	1.95934 BLE IS NOW N YSIS OF VAR LINFAF ATION CONTRACTOR STO.	TANCE FUR T REGRESSIUN D.F. 32 7 40 12 REG.	ABLE 38 ME MULTIPLE SUM OF GUARES 6647186 22.74786 21.21973 STO.EBEDE	OVER 100,000 COEF MULT SOUAPTS 50.05898 2.27337	) KEY 1 FICIENT OF TIPLE CORR. F VALUE Z.0052	DETERMINATION COEFFICIENT Suit: OF SQ.	0. 3999 0. 6324
12 SAMPLE : DEPENDE SOUR SOUR DUE TU REG DEVIATION	4.24390 SIZE 4 SNT VARIAE SHAL CCE ('F VARI RESSION ABOUT REGR	1.95934 3LE IS NOW N YSIS OF VAR LINFAF INFAF INFAF INFAL INFAL	TANCE FUR T REGRESSIUN D.F. 32 7 40 12 REG. N CUEFF.	ABLE 38 ME MULTIPLE SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF S	OVER 100,000 COEF MULT SQUAFTS 0.05898 2.27337	PARTIAL C(FFF. CO	DETERMINATION COEFFICIENT P <.05 SUIR OF SQ.	0. 3999 0. 6324 PR(IP. VA CUM.
12 SAMPLE S DEPENDE SOUR SOUE TU REG DEVIATION /ARIABLE NO. 1 9	4.24390 SIZE 4 CNT VARIAE 3.44 CCE (°F VARI RESSION ABOUT REGR MEAN 1.51219 4.30073	1.95534 3LE IS NOW N YSIS OF VAR LINFAF ATION CONTACT STO. 0EVIATIO	TANCE FLR T REGRESSILN D.F. 32 7 40 12 REG. N CUEFF. 0.13361	ABLE 38 ME MULTIPLE SUM OF SUM OF SUM OF 2.74786 1.21973 STO.FREMO OF REG.CC C.31414	OVER 100,000 COEF MULT MEAN SQUAFTS 0.05898 2.27337 COMPUTED DE. T VALUE 0.42531 2.15477	) KEY 1 FICIENT OF TIPLE CORR. F VALUE Z.0052	DETERMINATION COEFFICIENT Suit: OF SQ.	0. 3999 0. 6324 PRfiP. VA CUM. 0.0042
12 SAMPLE S DEPENDE SOUR SOUR TU REG DEVIATION (ARIABLE NO. 1 9 10	4.24390 SIZE 4 CNT VARIAE SHAL CCE ('F VARI RESSION ABOUT REGR MEAN 1.51219 4.90073 3.72683	1.95934 3LE IS NOW N YSIS OF VAR LINFAF INTION CSSICK TOTAL STO. 0EVIATIO C.84030 1.97261 1.90072	TA IO. 11 IANCE FLR T <u>REGRESSIUN</u> D.F. S 8 40 12 REG. N <u>CUEFF</u> . 0.13361 0.37555 -0.16054	ABLE 38 ME MULTIPLE SUM OF GUARES 1.21973 STO.FREME OF REG.CF C.31414 0.17429 0.17833	OVER 100,000 COEF MULT MEAN SQUAFFS 6.05898 2.27337 COMPUTED DE. T VALUE 0.42531 2.15477 -0.90328	) KEY 1 FICIENT OF TIPLE CORR.	DETERMINATION COEFFICIENT <.05 	0.3999 0.6324 PROP. VA CUM. 0.0042 0.1149 0.0004
12 SAMPLE S DEPENDE SOUR SOUR TU REG DEVIATION (ARIABLE NO. 1 9 10 26 42	4.24390 SIZE 4 CNT VARIAE VIAL CCE ('F VARI RESSION ABOUT REGR MEAN 1.51219 4.92073 3.72683 2769.24219	1.95534 3LE IS NOW N YSIS OF VAR LINFAF ATION CONTACT STO. TOTAL TOTAL STO. 1.90072 62573.77344	TANCE FLR T REGRESSIUN D.F. S 32 7 40 12 REG. N CUEFF. 0.13361 0.37555 -0.16054 -0.00000	ABLE 38 ABLE 38 SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM OF SUM SUM SUM SUM SUM SUM SUM SUM SUM SUM	OVER 100,000 COEF MULT SOUAPES 6.05898 2.27337 2.27337 COMPUTED DE. T VALUE 0.42531 2.15477 -0.90028 -0.63780	) KEY 1 FICIENT OF TIPLE CORR. VALUE Z.0652 PARTIAL CCEP. CON 0.07497 (.35566 -0.15717 -0.11204	DETERMINATION COEFFICIENT <.05 <.05 	0.3999 0.6324 0.6324 0.6324 0.1149 0.0042 0.1149 0.0044 0.1149 0.0004
12 SAMPLE : DEPENDE SOUR DUE TU REG DEVIATION /ARIABLE NO. 1 9 10 26 42 27	4.24390 SIZE 4 CNT VARIAE 344L CE ('F VARI RESSION ABOUT REGR NEAN 1.51219 4.90073 3.72683 3.72683 2.36585	1.95534 3LE IS NOW N YSIS OF VAR LINFAF ATION TOTAL TOTAL TOTAL STO. 1 DEVIATIO C.84030 1.87261 1.90072 62573.77344 1.94623	TANCE FLR T REGRESSILN D.F. 32 40 12 REG. N CUEFF. 0.13361 0.37555 -0.16054 -0.00000 0.22964	ABLE 38 ME MULTIPLE SUM OF SUM OF SUM OF SUM OF SUM OF STO.FREMO 0:47186 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:74786 2:	OVER 100,000 COEF MULT SQUAPTS 0.05898 2.27337 COMPUTED DE. T VALUE 0.42531 2.15477 -0.9028 -0.63783 1.24537	κεΥ 1           FICIENT OF           F           VALUE           2.0652           0.07497           0.35506           -0.15717           -0.1204           C.21505	DETERMINATION COEFFICIENT	0.3999 0.6324 PR(IP. VA CUM. 0.1149 0.0004 0.01143 0.0004 0.0073 0.01163
12 SAMPLE S DEPENDE SOUR DUE TU REG DEVIATION VARIABLE NO. 1 9 10 26 42 27	4.24390 SIZE 4 CNT VARIAE VIAL CCE ('F VARI RESSION ABOUT REGR MEAN 1.51219 4.92073 3.72683 2769.24219	1.95534 3LE IS NOW N YSIS OF VAR LINFAF ATION C.SSICK TOTAL STO. 1 DEVIATIO C.84030 1.87261 1.90072 62573.77344 1.94623	TANCE FLR T REGRESSIUN D.F. 32 7 40 12 REG. N CUEFF. 0.13361 0.37555 -0.16054 -0.00000 0.22964 -0.00001	ABLE 38 HE MULTIPLE SUM OF SUM OF SUM OF SUM OF 2.74786 2.74786 2.74786 2.74786 1.21973 STO.ERFOR OF REG.CC 0.31414 0.17429 0.03003 0.18432 0.00005	OVER 100,000 COEF MULT SOUAPTS 0.0589H 2.27337 COMPUTED DE. T VALUE 0.42531 2.15477 -0.90028 -0.63780 1.24597 -1.26252	) KEY 1 FICIENT OF TIPLE CORR. VALUE Z.0652 PARTIAL CCEP. CON 0.07497 (.35566 -0.15717 -0.11204	DETERMINATION COEFFICIENT <.05 <.05 	0. 6324

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#### TABLE 45 OVER 100,000 KEY 1

SAMPLE SIZE	41			
DEPENDENT VARIA	BLE IS NOW	NO. 2		
1 N A	LYSIS OF VA	RIANCE FUR	THE	MULTIPLE

# COEFFICIENT OF DETERMINATION0.4505MULTIPLE CORR. COEFFICIENT0.6712

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51	DURCE OF VARI	ATION		SUM DE QUARES	MEAN SQUAFES	F VALUE	ρ	
IF TO F	REGRESSION			7.47807	4.66476	3.2797	<u> </u>	
	DI ABOUT REGE		-	5.70943	1.42342	5	<.01	
		TOTAL		3.18750				
ARIAUL	<u> </u>							_
NU.	E MEAN	STD. DEVIATION	REG. L COFFF.	STD.FRROR OF REG.COD	CEMPUTED • T VALUE	EARTIAL 078000F.	SUN OF SQ.	PROP. VAP
10.	1.51219	0.84030	0.03665		<u> </u>	0.02601	0.02542	0.00031
9	4.80073	1.87261	0.31257		2.26249	0.77135	15.37812	0.18486
10	3.72623	1.90072	-3.02312		-0.10375	-0.02850	0.67137	0.00807
26	42789.24219		-0.00001		-1.87617	-0.31480	1.76740	0.02125
27	2.36585	1.04623	0.01611		0.11028	0.01949	3.57705	0.04300
26		4743.44531	C. 00007		1.749)7	0.29524	1.69522	0.02038
29	2.35877	1.16737	0.87628		3.13104	0.41434	7.46182	0.08994
30	1.51219	1.58859	-0.32286		-2.19472	-0.36174	6.88168	0.08272
	4.10536 PLE SIZE ENDENT VARIA			46 50-100	CO		F DETERMINATI R. COEFFICIENT	
SAMI	PLE SIZE	23 ABLE IS NOW YSIS OF VAR	NO. 5	THE MULTIPLE	CO	EFFICIENT O	R. COEFFICIENT	
SAMI DEPI	PLE SIZE ENDENT VARIA ANAL OURCE CF VAR	23 BLE IS NOW YSIS OF VAR LIVEAP	NO. 5 IANCE FOR FEGRESSIO C.F.	THE MULTIPLE N SUM OF SQUARES	CO MU MEAN SQUAPES	EFFICIENT OF		
SAMI DEPI S	PLE SIZE ENDENT VARIA ANAL OURCE CF VAR	23 ABLE IS NOW VSIS OF VAR LIVEAP	NO. 5 I ANCE FOR <u>RECPESSIO</u> C.F. S	THE MULTIPLE N SUM OF SQUARES 7. 19358	CO MU MEAN SQUAPES 0.89923	EFFICIENT O	R. COEFFICIENT	
SAMI DEPI S	PLE SIZE ENDENT VARIA ANAL OURCE CF VAR	23 ABLE IS NOW YSIS OF VAR LIVEAP	NO. 5 I ANCE FOR <u>FECPESSIO</u> C.F. S 14	THE MULTIPLE SUM OF SQUARES 7.19258 20.11086	CO MU MEAN SQUAPES	EFFICIENT OLLTIPLE CORF	R. COEFFICIENT	
SAMI DEPI S	PLE SIZE ENDENT VARIA ANAL OURCE CF VAR	23 ABLE IS NOW VSIS OF VAR LIVEAP	NO. 5 I ANCE FOR <u>FECPESSIO</u> C.F. S 14	THE MULTIPLE N SUM OF SQUARES 7. 19358	CO MU MEAN SQUAPES 0.89923	EFFICIENT OLLTIPLE CORF	R. COEFFICIENT	
SAMI DEPI S UE TO EVIATI	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION ON ABOUT REG	23 ABLE IS NOW YSIS OF VAR LIVEAP	NO. 5 I ANCE FOR <u>FECPESSIO</u> C.F. S 14	THE MULTIPLE N SUM OF SQUARES 7.19258 20.11086 27.30444	CO MU SOUAPES 0.89923 1.43049	EFFICIENT O LTIPLE CORF	R. COEFFICIENT	0. 513
SAMI DEPI S UE TO EVIATI	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION ON ABOUT REG	23 ABLE IS NOW YSIS OF VAR LI'EAP ATICN RESSICN TOTAL	NO. 5 I ANCE FOR <u>FECPESSIO</u> C.F. <u>S</u> 14 22 FEG.	THE MULTIPLE N SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EFREA	COI MU SQUAPES 0.89923 1.43049 COMPUTED	EFFICIENT O LTIPLE CORF	P n.s. SUM OF SQ.	0. 513
SAMI DEPI S UE TO EVIATI	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION ON ABOUT REG	23 BLE IS NOW YSIS OF VAR LITEAP ATICN RESSICN TOTAL STD.	NO. 5 I ANCE FOR <u>*EGPESSIO</u> C.F. S 14 22 FEG. N COEFF	THE MULTIPLE SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPP08 . OF REG.CO	COI MU SQUAPES 0.89923 1.43049 COMPUTED	EFFICIENT O LTIPLE CORF VALUE 0.6260	P n.s. SUM OF SQ.	0.513 PRO: ۷ C LM.
SAMI DEPI S UE TO EVIATI ARIABL	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION ON ABOUT REG E MEAN	23 ABLE IS NOW YSIS OF VAR LI'EAP ATICN RESSICN TOTAL STD. DEVIATIC	NO. 5 <u>FEGPESSIO</u> C.F. <u>S</u> 14 22 FEG. N <u>CUEFF</u> -C.0589	THE MULTIPLE SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPPOR . DF REG.CO 6 0.42250	CO MU SQUAPES 0.89923 1.43649 COMPUTED COMPUTED	EFFICIENT O LTIPLE CORF VALUE 0.6250	P n.s. SUM OF SQ.	PRD: V C.UM. 0.000
SAMI DEPI S UE TO EVIATI ARIABL NG. 1	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION UN ABOUT REGF E MEAN 1.32609	23 ABLE IS NOW YSIS OF VAR LI':EAP ATICN ATICN SESSICN TOTAL STD. DEVIATIC C. 83083	NO. 5 I ANCE FOR <u>FEGPESSIC</u> C.F. <u>E</u> 14 22 FEG. N <u>CUEFF</u> -C. 0589 J. 5433	THE MULTIPLE SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPPOR OF REG.CO 6 0.42253 9 0.43355 7 0.23462	CO MU MEAN SOUAPES 0.89923 1.43049 COMPUTED COMPUTED T VALUF -0.13954	EFFICIENT O LTIPLE CORF VALUE 0.6260 PARTIAL C1.24. CLE -0.03727	א. COEFFICIENT	PRO ¹⁷ . V C.UM. 0.000 0.132
SAMI DEPI S UE TO EVIATI ARIABL NG. 1 2 3 6	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION UN ABOUT REGF E MEAN 1.82609 5.18130 4.14304 39223.60547	23 BLE IS NOW YSIS 7F VAR LI'EAP ATICN SESSICN TOTAL STD. DEVIATIC C. 88083 0.73644 1.51928 57478.52625	NO. 5 I ANCE FOR FECPESSIO C.F. E 14 22 FEG. N <u>CUEFF</u> -C.0589 0.1795 C. C000	THE MULTIPLE SUM OF SQUARES 7.19258 20.11086 27.30444 STD.EPROR 0F.RE0.CO 6 0.42255 9 0.4355 7 0.23462 0.0.0001	CON MU SOUAPES 0.89920 1.43049 COMPUTED 5 VALUE -0.13954 1.34639 0.76538 0.46165	EFFICIENT O LTIPLE CORF VALUE 0.6260 P2271AL Cf.26. fLE -0.03727 C.3355 G.21041 C.12244	R. COEFFICIENT           P           n.s.           SUM OF SQ.           ΔΩΥΓΟ           G. G0535           3.61994           C.91565	PROF. V CUM. 0.000 0.132 7.033
SAMI DEPI S UE TO EVIATI ARIABL NG. 1 2 3 6 7	PLE SIZE ENDENT VARIA OURCE CF VARI REGPESSION ON ABOUT REGF E MEAN 1.72609 5.16130 4.14304 39223.60547. 3.60870	23 ABLE IS NOW YSIS OF VAR LI'EAP ATICN SESSICN TOTAL STD. DEVIATIC C. 88688 0.73644 1.51938 57478.50625 1.07615	NO. 5 I ANCE FOR <u>FECPESSIO</u> C.F. <u>5</u> 14 22 FEG. N <u>CUEFF</u> -C.0589 0.1795 C.GODO -D.14280	THE MULTIPLE SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPREA OF REG.CO 6 0.42255 9 0.4355 7 0.23462 0 0.30098	CON MU SQUAPES 0.89920 1.43049 COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED COMPUTED	EFFICIENT O LTIPLE CORF VALUE 0.6260 P28TIAL Cf.º6. CLE -0.05727 C.23355 C.2(041 C.12249 -0.12530	R. COEFFICIENT           P           n.s.           SUM OF SQ.           ΔΩΥΓΟ           G. G0535           3.61994           C.91565	PRO ¹¹ . V CUM. 0.000 0.132 7.033 0.051
SAMI DEPP S UE TO EVIATI ARIABL NG. 1 2 3 6 7 8	PLE SIZE ENDENT VARIA OURCE CF VARI REGPESSION ON ABOUT REGF E MEAN 1.82609 5.18130 4.14304 39223.60547 3.60870 1032.82593	23 BLE IS NOW YSIS 7F VAR LI'EAP ATICN SESSICN TOTAL STD. DEVIATIC C. 88083 0.73644 1.51928 57478.52625	NO. 5 I ANCE FOR <u>* ECPESSIO</u> C.F. <u>5</u> 14 22 FEG. N <u>CUEFF</u> - C. 0589 J. 5433 0.1795 C. C000 - J. 14280	THE MULTIPLE N SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPPDR 0F REG.CO 6 0.42253 9 0.40359 7 0.23462 0 0.4001 0 0.3005 6 0.4001	CON MU SOUAPES 0.89920 1.43049 COMPUTED 5 VALUE -0.13954 1.34639 0.76538 0.46165	EFFICIENT O LTIPLE CORF VALUE 0.6260 P28TIAL Cf.º6. CLE -0.05727 C.23355 C.2(041 C.12249 -0.12530	۲. COEFFICIENT ۹ ۹ ۳. s. ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵ ۵ 1 9 ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	PRO ^P . V CUM. 0.000 0.132 0.033 0.051 0.051
SAMI DEPE S UE TO EVIAII ARIAUL NG. 1 2 3 6 7 8 9	PLE SIZE ENDENT VARIA ANAL OURCE CF VARI REGPESSION UN ABOUT REGF E MEAN 1.82609 5.18130 4.14304 39223.60547 3.60873 1032.82593 2.57521	23 ABLE IS NOW YSIS OF VAR LI':EAP ATICN SESSICN TOTAL STD. DEVIATIC C.88688 0.73644 1.51928 57478.5925 1.07615 2025.29370 0.63755	NO. 5 <u>*ECPESSIO</u> C.F. <u>S</u> 14 22 FEG. N <u>CUEFF</u> -C.0587 0.1795 C.G000 -D.1428 0.1795 C.G000 -D.1428 0.0000 -0.1931	THE MULTIPLE N SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPPDR 0F REG.CO 6 0.42253 9 0.43359 7 0.23462 0 0.3090 6 0.4001 0 0.3096	COM MU MEAN SOUAPES 0.89923 1.43649 COMPUTED T VALUE -0.13954 1.34639 0.76532 0.46163 -0.47455 0.38705 -0.34043	EFFICIENT O LTIPLE CORF VALUE 0.6260 D P1871AL C(124. CL6 -0.03727 C.23395 G.2(041 C.12249 -0.12590 (0.12249 -0.35062	P n.s. SUM OF SQ. ADDFD 0.00535 3.61994 C.91565 1.40301 0.03457 0.11204 0.0534	PROF. V CUM. 0.000 0.132 0.033 0.051 0.001 0.004
SAMI DEPI S UE TO EVIAII ARIABL NG. 1 2 3 6 7 8	PLE SIZE ENDENT VARIA OURCE CF VARI REGPESSION ON ABOUT REGF E MEAN 1.82609 5.18130 4.14304 39223.60547 3.60870 1032.82593	23 ABLE IS NOW (YSIS OF VAR LI'EAP ATICN SESSICN TOTAL STD. DEVIATIC C.88088 0.75644 1.51938 57478.50625 1.07615 2029.29370	NO. 5 I ANCE FOR = ECPESSIO C.F. E 14 22 FEG. N CUEFF - C.058% 0.1795 C.0000 - 0.14280 0.0031 - 0.1892	THE MULTIPLE SUM OF SQUARES 7.19358 20.11086 27.30444 STD.EPPDR 0F.REG.CO 6 0.42253 9 0.4355 7 0.23462 0 0.3095 6 0.3095 6 0.3095 7 0.56736	COM MU SQUAPES 0.89920 1.43649 COMPUTED -0.13954 1.34639 0.76538 0.76538 0.47465 0.38705	EFFICIENT O LTIPLE CORF VALUE 0.6260 D P1871AL C(124. CL6 -0.03727 C.23395 G.2(041 C.12249 -0.12590 (0.12249 -0.35062	P n.s. SUM OF SQ. ADDFD 0.00535 3.61994 C.91565 1.40301 0.03457 0.11204 0.0534	PROM. V C.UM. 0.000 0.132 0.033 0.051 0.004 0.004

**TABLE 47 5** 

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SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 4 50-100,000 KEY 8

#### COEFFICIENT OF DETERMINATION 0. 5248 MULTIPLE CORR. COEFFICIENT 0. 7244

ANALYSIS OF VAPLANCE FOR THE MULTIPLE

	мини	LISIS OF VAPA	-					
		LINEAP	PEGPESSIC	N				
50	URCE OF VAR	IATICN	f .F.	SUM GF	HEAN .	F	p	
				SQUARES	SQUAFES	VALUS	• 	
DUE TU R	EGRESSION			18.71100	2.33387 .		n.s.	
	IN ABOUT REG			16.94135	1.21010			
				35.65234				
			"	JJ 6 U J2 J4				
VARIABLE	MEAN	STD.	REG.	STO. SAROP	COMPUTED	PASTIAL	SUN OF SO.	PROP. VAP.
N2.		DEVIATION	CUEFF	. OF REG.SCF	. T VALUE	COPF. CUE		CUM.
1	1.32609	68358.0	0.6249	2 C.35730	1.61144	0.37555	4.41345	0.12379
2	5.18130	C. 78644	-0.6447	3 0.37042	-0.12075	-0.03225	C.31349	0.00879
3	4.14304	1.51908	-0.0731		-0.33955	- 0. 09 037	0.01892	J.00053
6	39223.60547	57478,90625	-9.0000	0 J.CCG01	-0.54555	-0.14427	1.00572	0.00016
7	3.60273	1.07615	-3.7196	6 0.27625	-2.63511	-0.57139	16.04073	0.28163
d	1032.82593	2329.29370	-5.0001	1 0.00014	-3.77094	-0.20180	1.46514	0.04110
	2.57521	J.63795	-0.1493	6 C.52073	-7.20630	- ú)7644	0.020,00	0.00110
10	2.95652	1.55149	-0.2337		-1.41255	-0.35319	2.41452	0.06772
4	3.43478	1.27301						

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TABLE 48

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ERIC

50-100,000 KEY 7

NO.	SAMPLE DE PENDI		LE IS NOW NO	D. 8				F DETERMINATIO R. COEFFICIENT	N 0.3658 0.6048	
SQUARY         SQUARY         SQUARY         SQUARY         SQUARY           DEF TO FLORENCE         16         1.00100         1.00100         1.00100         1.00100           VARIANCE         7074		A'VAL Y			E MULTIPLE					
DUE         C.G.G.R.S.S.LUM	SUUS	CE OF VARIA	TIUN Ü					p		
- 10 ² CT 4 22         22.2173           VARIAULE         REAM         STL         Color         Color <thcolor< th="">         Color</thcolor<>							1.0097	n.s		
VARIABLE         MCA         STC.         25C.         STOLENCY	DEVIATION .					1.05133				
NO.         APPLATION         CERFF.         TABLE         TABLE <thtable< th="">         TABLE         TABLE         &lt;</thtable<>								· <u> </u>		
1       1.42603       C.68664       0.37664       C.20713       C.21713       C.25733       0.1         3       4.16304       1.25724       C.60107       1.0       C.60107       1.0         3       4.16304       1.25724       C.1713       C.20173       C.60107       1.0         10       2.1731       1.23762       C.602259       C.20299       -0.1253       C.20273       C.20174       1.46174       C.60107       1.0         12       0.02957       C.6151       -4.07544       D.1714       C.52511       C.11474       D.27273       C.21737       D.15244       D.21737       D.15244       D.2172       D.21724       D.2172       D.21724       D.2172       D.21724       D.2172       D.21724       D.2172       D.21724       D.2172       D.21724       D.21724       D.21744       D.2172       D.21744       D.2174       D.21744       D.2174       D.2174									PROP. VAP	
3 4.14336 1.5107 1.0 6 3.60670 1.0711 1.3362 -0.2702 1.1272 -1.21457 -0.2602 3.2202 3.1 10 2.17341 1.3362 -0.2702 2.11772 -1.21457 -1.21457 -0.2002 3.1 10 2.17341 1.3362 -0.2702 2.11772 -1.21457 -1.21457 -0.2002 3.1 12 3.36737 1.24147 3.0 13 3.36737 1.24177 -0.01454 2.01379 -1.21457 -1.21457 -0.2007 3.0 13 3.36737 1.24577 -0.01454 2.01379 -1.21457 -1.21457 -0.1017 3.0 13 3.36737 1.25777 -0.01454 2.01379 -1.21457 -1.14147 3.0 14 3.36737 1.25777 -0.01454 2.01379 -1.21457 -1.14147 -0.0 14 3.36737 1.25777 -0.01454 2.01379 -1.21457 -1.14147 -0.0 14 3.36737 1.25777 -0.01454 2.01379 -1.21457 -1.14177 -0.14177 -0.0567 8 3.65217 1.02773 -0.01454 2.01379 -1.21457 -0.17751 -0.1077 -0.0577 10 ANU/518 JE IS NOW NO. 7 MULTIPLE ULASA FLORESSIUM -0.7 SUP 09 MILL 500RCE 0F VARIANT NO. 7 NULTIPLE 1048 4.1507 -0.7751 -0.144 -0.07751 -0.14787 -0.07751 -0.1477 1044 22 42.95654 -0.1178 -0.7751 -0.14787 -0.07751 -0.1477 -0.01673 -0.01679 -0.1 1044 22 42.95654 -0.02735 -0.1175 -0.7751 -0.14767 -0.07751 -0.1477 -0.0169 -0.147751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.07751 -0.14767 -0.077571 -0.14767 -0.07751 -0.14767 -0.077571 -0.14767 -0					0.29023				0.10871	
9         Logg21         L.22622         State         State <ths< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00731</td></ths<>									0.00731	
10         2:17311         1:3362         -0.22421         C.11272         -1.21232         -C.23074         1:44147         3.0           12         3:02337         C.21331         -3.0275         -2.02423         -0.1010         3.0           13         3:02337         C.21331         -3.0275         -1.1272         -0.12023         -0.13023         -0.13023         -0.13023         -0.10123         -0.13023         -0.10123         -0.13023         -0.13023         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         -0.10123         <	-					-1.964(6	-0.4664		).0C005 0.16479	
12         0.02957         C.C1551         -6.47540         15.71234         -0.55211         -0.14502         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36727         0.36777         0.36777         0.36777         0.36777         0.36777         0.36777         0.36777         0.36777         0.36777         0.36777         0.36777         0.36727         0.36777         0.37771         0.36727         0.36777         0.37771         0.36727         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771         0.37771 <th< td=""><td></td><td></td><td></td><td>-0.22421</td><td></td><td>-1.21455</td><td>-0.30574</td><td>1.44147</td><td>2.06209</td></th<>				-0.22421		-1.21455	-0.30574	1.44147	2.06209	
13         3.3665217         1.4.55777         3.08664         C.011274         9.71074         C.101273         9.71524         3.0           TABLE 49 50-100,000         KEY 7           SAMPLE SIZE 23         COEFFICIENT OF DETERMINATION 0.307 MULTIPLE CORR. COEFFICIENT         0.30000         KEY 7           SAMPLE SIZE 23         COEFFICIENT OF DETERMINATION 0.307 MULTIPLE CORR. COEFFICIENT         0.30000           ANALYSIS DF VARIATION 0.4         SUBCE UP VARIATION 0.4         SUBCE UP VARIATION 0.4           DUE TO REGARD SIGN.         COEFFICIENT OF DETERMINATION 0.307           DUE TO REGARD SIGN.         COEFFICIENT OF DETERMINATION 0.437           DUE TO REGARD SIGN.         COEFFICIENT OF DETERMINATION 0.437           DUE TO REGARD SIGN.         COEFFICIENT OF DETERMINATION 0.437           DUE TO REGARD SIGN.         COEFFICIENT OF DETERMINATION 0.477           OF ALL SIGN.         COEFFICIENT OF DETERMINATION 0.477           SIGNE PARIATION D.7         COEFFICIENT OF DETERMINATION 0.477           SIGNE PARIATION D.41025         COEFFICIENT OF DETERMINATION 0.477                   SIGNE PARIATION D.41035									<u>0.00044</u> 0.01582	
TABLE 19       Detail       DETAIL <thdetail< th="">       DETAIL       DETAIL</thdetail<>	13	3.30957	13.55777						0.00657	
SAMPLE SIZE         23 DEPENDENT VARIABLE IS NOW NO. 7         COEFFICIENT OF DETERMINATION         0.307 0.554           ANALYSIS OF VARIABLE         COUNT OF ACCURATION         0.377 0.010 FC         COUNT OF ACCURATION         0.377 0.554           SUBJECT         Construction         0.377 0.010 FC         COUNT OF ACCURATION         0.377 0.554           OUT TO ACCURATION         0.377 0.010 FC         SUBJECT         Construction         0.377 0.554           OUT TO ACCURATION         0.377 0.010 FC         COUNT OF ACCURATION         0.377 0.557         COUNT OF ACCURATION         0.377 0.517           VARIABLE         FEAN         STC.         NEG.         STD.ERVOR         COMPUTED         FARTIAL         SUBJECT         0.377 0.5117           VARIABLE         FEAN         STC.         NEG.         STD.ERVOR         COMPUTED         FARTIAL         SUBJECT         POINT           VARIABLE         FEAN         STC.         NEG.         STD.ERVOR         COMPUTED         FARTIAL         SUBJECT         SUBJECT <thsubject< th=""></thsubject<>	8	3.65217	1.02730							
DEPENDENT VARIABLE IS NOW NO. 7         MULTIPLE CORR. COEPFICIENT         0.554           NUMARY IS OF VARIATION         0.77         MULTIPLE CORR. COEPFICIENT         0.554           SUMARY OF VARIATION         0.77         PERMIT         0.554           SUMARY OF VARIATION         0.77         PERMIT         0.554           SUMARY OF VARIATION         0.77         PERMIT         PERMIT         0.554           VARIABLE IS NOW NO. 7         PERMIT         PERMIT <th colspa<="" td=""><td></td><td></td><td></td><td>TAI</td><td>BLE 49 5</td><td>50-100,000</td><td>KEY 7</td><td></td><td></td></th>	<td></td> <td></td> <td></td> <td>TAI</td> <td>BLE 49 5</td> <td>50-100,000</td> <td>KEY 7</td> <td></td> <td></td>				TAI	BLE 49 5	50-100,000	KEY 7		
ULREAK FEGERSION           SUBJECT VALUATION         D.F.         SUBJECT VALUATION         COLSPAN           OUE TC AEGKESSION			E IS NOW NO	. 7					0.3070 0.5540	
SQUARES         SQUARES         VALUE         P           DEVIATION         A         13.16571         1.66321         0.7761         P           DEVIATION         AC.95654         N.S.         N.S.         N.S.         N.S.           VARIABLE         FCAN         STF.         REG. STD.ERFUE         COMPUTED         FARTIAL         SUB. TE SC. C.M.           VARIABLE         FCAN         STF.         REG. STD.ERFUE         COMPUTED         FARTIAL         SUB. TE SC. C.M.           VARIABLE         FCAN         STF.         REG. STD.ERFUE         COMPUTED         FARTIAL         SUB. TE SC. C.M.           VARIABLE         FCAN         STF.         REG. STD.ERFUE         COMPUTED         FARTIAL         SUB. TE SC. C.M.         C.M.           VARIABLE         FCAN         STF.         REG. STD.ERFUE         COMPUTED         FARTIAL         C.M.         C.M.           1         1.02607         0.08644         0.03771         0.04771         C.M.		ANAL Y			NULTIPLE					
DUE TG REGRESSION	SOUR	CE OF VARIA		.F. 51			-			
DEVIATION:         ALGPTES ICN         14         29,17083         2.12649         n.s.           VARIABLE         FCAN         STC.         RFG.         STD.ERPOR         COMPUTED         FARTIAL         SUB-TES         COM.           VARIABLE         FCAN         STC.         RFG.         STD.ERPOR         COMPUTED         FARTIAL         SUB-TES         COM.           VARIABLE         FCAN         STC.         RFG.CFF.         TVALUE         CER.CFF.         COMPUTED         FARTIAL         SUB-TES         COM.           1         1.02609         0.08663         0.27737         0.07335         G.2112         1.14867         COM.           2         5.11130         0.18644         0.43771         0.04597         -0.18526         G.07747         6.007           3         1.032672         -0.13864         0.23575         -0.1178         1.14867         0.07477         6.007           11         2.27191         1.32172         -0.13864         0.22571         -0.1176         0.04223         G.01113         1.72441         0.04423         0.01113         1.72441         0.04423         G.01113         1.72441         0.04233         0.01113         1.72646         0.71717         0.000			• • • • • • • • •					<u> </u>		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DEVIATION	ABOUT REGRE	<u>SSICN 1</u>	4 29	17083			<u>n.s.</u>		
NG.         DEVIATION         COMPT, OT PTC, COR, T, VALUE         Class, FOR, ADD, Corr, ADD					.92624					
$\frac{MG}{1} = \frac{pev[1AT1ON}{1.87607} = \frac{OFF}{1.9767} = \frac{PF}{1.67677} = \frac{T}{1.67233} = \frac{PF}{1.67333} = \frac{ADOP}{1.67333} = \frac{OF}{1.67333} = \frac{OF}{1.67333} = \frac{OF}{1.67333} = \frac{OF}{1.67333} = \frac{OF}{1.67333} = \frac{OF}{1.67333} = \frac{OF}{1.673333} = \frac{OF}{1.673333} = \frac{OF}{1.6733333} = \frac{OF}{1.67333333333333333333333333333333333333$	VARIABLE	FEAN	str.	REG.	STD.ERPOR	COMPUTED	PARTIAL	SUN DE SC.	PPOP. VAF.	
2         5.11(133)         0.78644         0.43771         0.444959         0.973358         0.71112         1.14867         0.1773           3         4.14334         1.61004         0.0423         0.22516         0.62599         0.16526         0.2774         0.00           9         3.60370         1.07615         -0.44119         0.35535         -1.22776         -0.01178         1.72441         0.74446         0.76           10         2.17391         1.33667         -0.45325         -0.1237         0.46451         0.74846         0.76           11         2.17391         1.32175         -0.13867         0.45252         7.24466         0.76           12         0.02037         0.61551         -0.64615         22.34230         -0.46325         0.2037         0.46233         0.0701           13         3.50957         14.55777         0.00420         0.01861         0.22571         0.36021         0.46233         0.0701           7         3.59652         1.39734          0.265310%         0.265310%         0.265310%         0.265310%         0.265310%         0.44223         0.701           SUMPLE SIZE         23         0.40410410%         0.67         SUMAPLE						T VALUE	CURR . CU	<u> </u>	C 1.1% .	
3       4.14334       1.5190R       -0.16255       0.22516       -0.20590       -0.16526       0.07777       0.00         9       3.60370       1.072615       -0.44119       0.35535       -1.22776       -0.31178       1.72440       0.04         10       2.17391       1.33662       -0.50948       0.226374       -1.22776       -0.45252       7.28464       0.116       0.01         11       2.02257       0.01551       -9.46415       22.34230       -0.463255       -0.1137       0.464110       0.014223       0.017         13       3.69552       1.39734       -0.402577       0.0044223       0.01861       0.22571       0.36021       0.10633       0.064         13       3.69552       1.39734       -0.40410       0.22571       0.36021       0.10633       0.064         TABLE 50       50-100,000       KEY 7         SAMPLE SIZE 23         DEPENDENT VARIABLE IS NOW NO. 6         MULTIPLE CORR. COEFFICIENT OF DETERMINATION 0.437         DEPENDENT VARIABLE IS NOW NO. 6         SUBCE 05 VARIATION 0.7       SCUA975       SOUAPES VALUE       P         OUE TU REGRESSION       FEAN       F					0.41267 0.44959				0.04566	
10       2.17391       1.33669       -0.30464       0.27632       -1.39660       -0.43222       7.28464       0.76*         11       2.79412       1.32175       -9.13889       6.22657       -0.463152       7.28464       0.76*         12       0.02937       0.61551       -9.166415       22.37230       0.44116       0.011         13       3.65697       14.55771       0.06415       22.37230       0.44223       0.10733       0.4011         13       3.65692       1.39734       TABLE 50       50-100,000       KEY 7       0.46223       0.10733       0.4011         7       3.65692       1.39734       TABLE 50       50-100,000       KEY 7       0.46223       0.4073       0.4073         7       3.65692       1.39734       TABLE 50       50-100,000       KEY 7       0.437         SAMPLE SIZE 23         COEFFICIENT OF DETERMINATION 0.437         MULTIPLE LINEAR FERENCE         LINEAR FERENCE       COEFFICIENT OF DETERMINATION 0.437         SURGE OF VARIANCE FUE THE NULTIPLE LINEAR FERENCE       COEFFICIENT OF DETERMINATION 0.437         UNEAR FERENCE SUBW.         SUNACE DF VARIANCE FUE THE NUL FUE ELINEAR FERENCE SUBW		4.14304	1.51908	-0.16625	0.20516	-0.62699	-0.16526		0.00174	
11         2.73912         1.32179         -9.1388         0.2057         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.46515         -0.4623         0.011           13         3.69957         18.55777         0.46420         3.01861         0.22571         0.36021         0.10733         0.007           7         3.95652         1.39734         0.46420         3.01861         0.22571         0.36021         0.10733         0.007           7         3.95652         1.39734         0.46420         3.01861         0.22571         0.36021         0.10733         0.007           7         3.95652         1.39734         0.46432         0.000         KEY 7         0.007           SAMPLE SIZE 23         COEFFICIENT OF DETERMINATION 0.437           DEVENTION CLEAR DEGRESSION           SUP ARTIAL DE REGRESSION           SUP ARTIAL SUP KE REGRESSION           OUT REGRESSION           OUT REGRESSION           SUP ARTIAL SUP KE REGRESSION <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.04014</td></td<>									0.04014	
13         3,8957         19,5777         0,00420         0,01661         0,22571         0,0021         0,1023         0,001           7         3,95652         1,39734         TABLE 50         50-100,000         KEY 7           SAMPLE SIZE 23         COEFFICIENT OF DETERMINATION 0,437           DEPENDENT VARIABLE IS NOW NO. 6           MULTIPLE CORR. COEFFICIENT 0,661           LINAR FEGENSION           SUMRCE DF VARIANCE FUN THE NULTIPLE           COEFFICIENT OF DETERMINATION 0,437           OUE TO REGRESSION           SUMACE DF VARIANCE FUN THE NULTIPLE           DUE TO REGRESSION           SUMRCE DF VARIATION D.F. SUM UF PLAN F           DUE TO REGRESSION           OUE TO REGRESSION           TOTAL: 22           VARIABLE PCAN STD, REG. STD, ERRIF COMPUTED PARTIAL SUR OF 50, P20P, T           NO.           DEVIATION CUEFF. OF PEG-COFF. T VALUE CUES. COL ADDON F(M. ADDON		2.73915	1.32175	-0.13888	0.29857	-0.46515	-0.12337		0.01027	
7       3.95652       1.39734         TABLE 50       50-100,000       KEY 7         SAMPLE SIZE 23         COEFFICIENT OF DETERMINATION 0.437         DEPENDENT VARIABLE IS NOW NO. 6         ARALYSIS OF VARIANCE FUE THE SULTIPLE LINEAR PEGRESSION         SUMACE OF VARIATION 0.7.         SUMACE OF VARIATION 0.7.         SUMACE OF VARIATION 0.7.         SUMACE SUM UF         SUMACE OF VARIATION 0.7.         SUMACE SUM         OUE TO REGRESSION:         ARALYSIS OF VARIANCE FUE THE SULTIPLE         DUE TO REGRESSION:         SUMACE OF VARIATION 0.7.         SUMACE SUM         DEVIATION 0.7.         SUMACE SUM         DEVIATION CONFECTOR OF SOL         DEVIATION CONFECTOR OF SOL         NOTAL:::         22         VARIABLE FCAN         TOTAL:::         SUMACE OF VARIANCE FUE THE SULT OF DETERMINATION O									0.01020	
SAMPLE SIZE       23 DEPENDENT VARIABLE IS NOW NO. 6 ARALYSIS OF VARIANCE FUE THE RULTIPLE       COEFFICIENT OF DETERMINATION 0.437 MULTIPLE CORR. COEFFICIENT 0.6614         SURCE DF VARIATION       D.F.       SUM UF       Etan       F         SURCE DF VARIATION       D.F.       SUM VE       Etan       F         OUE TU REGRESSION       R       14       22.74792       1.6699       2.21086       1.3607         DEVIATION       DEVIATION       D.F.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         VARIABLE       FCAN       STD.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         VARIABLE       FCAN       STD.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         VARIABLE       FCAN       STD.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         1       1.02609       C.88666       0.20633       C.36072       0.15140       2.79659       3.060         2       5.16132       0.70644       0.17190       2.32330       0.46272       0.40703       3.17490       3.0750         3       4.14304       1.51908       0.09010       0.23179	7									
SAMPLE SIZE       23 DEPENDENT VARIABLE IS NOW NO. 6 ARALYSIS OF VARIANCE FUE THE RULTIPLE       COEFFICIENT OF DETERMINATION 0.437 MULTIPLE CORR. COEFFICIENT 0.6614         SURCE DF VARIATION       D.F.       SUM UF       Etan       F         SURCE DF VARIATION       D.F.       SUM VE       Etan       F         OUE TU REGRESSION       R       14       22.74792       1.6699       2.21086       1.3607         DEVIATION       DEVIATION       D.F.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         VARIABLE       FCAN       STD.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         VARIABLE       FCAN       STD.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         VARIABLE       FCAN       STD.       REG.       STD. ERQUE       COMPUTED       PARTIAL       SUM OF \$0, PF0P.         1       1.02609       C.88666       0.20633       C.36072       0.15140       2.79659       3.060         2       5.16132       0.70644       0.17190       2.32330       0.46272       0.40703       3.17490       3.0750         3       4.14304       1.51908       0.09010       0.23179				TAI	BLE 50	50-100.000	KEY 7			
DEPENDENT VARIABLE IS NOW NO.         6         MULTIPLE CORR. COEFFICIENT         0.6614           ARALYSIS OF VARIANEC FUR THE NULTIPLE           LILEAF. FEGRESSION           SUMACE DF VARIATION         0.f.         SUM UF         PEAN         F           SUMACE DF VARIATION         0.f.         SUM UF         PEAN         F           OUE TO REGRESSION         8         17.666809         2.21036         1.3607           DUE TO REGRESSION         8         17.666809         2.21036         1.3607           TOTAL         22         2.74792         1.62395         n.s.           TOTAL         22         40.43401           VARIABLE FEAN         STD.         REGUE         COMPUTED         PARTIAL         SUPE OF 50. PEOP.           NO.         DEVIATION         CUEFF.         0F PEOP.         VARIABLE         ADDED         FIM.         ADDED <td></td> <td></td> <td></td> <td></td> <td></td> <td>·</td> <td></td> <td>DETERMINATION</td> <td>0. 4374</td>						·		DETERMINATION	0. 4374	
LINEAF:         FEGRESSION           SUNACE UF VARIATION         0.f.         SUN UF         KEAN         F           SCUAPES         SOUAPES         SOUAPES         VALUE         P           DUE TU REGRESSION         R         17.66689         2.21386         1.3607           DEVIATION         R         17.66689         2.21386         1.3607           DEVIATION         R         22.74792         1.62495         0.5.           TOTAL         22         40.43461         1.622495         0.5.           NO.         DEVIATION         CUEFF.         OF FC.COFF.         T VALUE         CUES. CUE.         ADDO           1         1.32609         C.88666         0.20633         C.36072         0.97338         0.15148         2.79659         n.06.           2         5.16132         0.76644         0.17190         0.32379         0.34520         0.07167         5.15527         0.12           3         4.14364         1.51968         0.08001         0.23179         0.34520         0.07167         5.16527         0.12           9         3.60370         1.027615         -0.52805         0.31412         -1.64196         0.40903         0.47951         0.6114 <td>DE PENDE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.6614</td>	DE PENDE								0.6614	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		ARALY			- NULTIPLE					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	SUUR	CE DE VARIA	T10N C	.F. S				· · · · · · · · · · · · · · · · · · ·		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	OUE TO REG	RESSION						p		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		ABOUT REGRE	<u>1910</u>	4 22	.74797		1.3007	<u> </u>		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		·	TOTAL 2	2 40. 	.43481					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	VARIABLE	FLAN	5TD.	KEG.	STD.ERROF	COMPUTED	PARTIAL	50K OF 50.	PEOP. VAR.	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1 22420			OF PEG.COM	F. T VALUH	CORR . C 11	400E0	FUM.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	0.19130							0.06916	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1.51908	0.08001	0.23179	0.34520	0.02187	5.15527	0.12750	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$									0.14470	
<u>13</u> <u>3.36957</u> <u>18.55777</u> <u>0.00549</u> <u>0.01627</u> <u>0.33712</u> <u>0.08973</u> <u>0.18466</u> <u>0.00</u> 6 <u>3.73913</u> <u>1.35571</u>		2.73913	1.32175	-0.12747	C.26093	-0.49939	-0.12943	0.47951	0.01186	
6 3.73913 1.35571 153	13	3,36957							0.00097	
	<u>د</u>	3.73913								
110									153	
1/10					_					
					149	2 .				
						<b>,</b> , , , , , , , , , , , , , , , , , ,				

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SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 5

#### COEFFICIENT OF DETERMINATION 0.6120 MULTIPLE CORR. COEFFICIENT 0.7823

ANALYSIS OF VARIANCE FOR THE MULTIPLE

1.17-76	<u> </u>	510.4				
SOURCE OF VARIATION	U.F.	SUM UF	MEAN	F		
		SQUARES	SOUAPES	VALUE	D	
DUE TO REGRESSION	8	16.44470	2.05559	2.7605	· · · · · · · · · · · · · · · · · · ·	
DEVIATION ABOUT REGRESSION	14	10+42493	0.74464		<.05	
TOTAL	22	26.86963				

VARIAJLF	MEAN	STD.	PEG.	STD.FRPDH	COMPUTED	PARTIAL	SUM OF SQ.	POTP. VAF.
<u>NO • </u>		DEVIATION	CLEFF	DE REG.COF.	T VALUE		ADDED	CHM.
1	1.82609	85666.0	0.36745	0.24420	1.50474	0.37312	1.93239	3.07192
2	_ 5.18130	<u> </u>	0.34819	v.26604	1.3)870	0.33017	0.50310	J.01128
3	4.14304	1.51908	-0.11525	0.15691	-0.73451	-0.19263	0.13296	0.00495
<u> </u>	3 <u>.:0</u> 270	<u>1.07615</u>	-C.37179	0.21264	-1.74042	-0.47375	0.80871	0.03010
10	2.173/1	1.33662	-0.43002	0.15879	-2.73814	-0.58632	5.58470	7.20784
<u> </u>	2.73913	1.32175	-0.09631	0.17668	-0.54793	-0.14450	0.32834	0.00105
12	0.)2957	0.01551	-41.21269	13.22114	-3.11713	-0.640)3	7.50315	0.27924
13	3.36957	18.55777	0.00497	0.01102	0.45094	0.11965	0.15142	1.00564
5	3.69565	1.10514						

#### TABLE 52 50-100,000

SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 4 COEFFICIENT OF DETERMINATION 0.4420 MULTIPLE CORR. COEFFICIENT

Ρ

n.s.

KEY 7

F VALUE

1.3862

0.6648

AMALYSIS DE VAS	REAMOR F	LP THE MULTIPLE	-
LINEAR	<u>2.5.90 1.4</u>	SILN	
SOURCE OF VARIATION	C.F.	SUM CF	MEAN
		SQUARES	SOUAFES
DUE TU REGRESSION	8	5.26560	0.65320
DEVIATION ABOUT REGRESSION	14	6.64743	0.47482

6.64748 14 TOTAL 22 11.91309

.

VARIABLE	MEAN	STD. DEVIATION	PEG. CCEFF.	STD. ERFOR	CCMPUTED T VALUE	PARTIAL COSR. CUE.	SUM CIF SQ.	PPOP. VAF. CUM.
1	1.32609	C.88688	-0.40822	0.19500	-2.09346	-0.46827	0.26229	0.02202
	5.18130	0.78644	<u>0.22725</u>	0.21244	1.36963	0 <u>+274n7</u>	<u>0.24193</u>	<u> </u>
3	4.14304	1.51908	0.13060	0.12530	1.34228	0.26834	1.52991	0.12842
	3.60870	1.07615	0.13469	<u>C.16932</u>	0.79321	<u>0.20737</u>	0.46566	0.03909
10	2.17391	1.32662	-0.23201	0.12080	-1.82975	-0.43731	1.09093	0.09157
<u> </u>	2.73913	<u> </u>	0.08395	<u> </u>	<u></u>	J.15706	0.02280	<u>.,00191</u>
12	0.J2957	0.01551	5.21089	10.55750	0.49357	0.13073	0.04881	0.00410
<u>13</u>	3.36957	<u>19.55777</u>	0.01616	0.00880	1.33752	0.44 JR1	1.60323	<u></u>
4	4.21739	0.73587						

TABLE 53 50-100,000 **XEY** 6

SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 8 AMALYSIS OF VARIANCE FUR THE MULTIPLE COEFFICIENT OF DETERMINATION 0.7149 MULTIPLE CORR. COEFFICIENT

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< . 0 1

0.8455

SOURCE OF VARIATION D.F. SUM OF SUUARES 8 80.49979

### MEAN F \$0UAPE3 10.06247 VALUE

2.29349

14 32.10992 TOTAL ... 22 112.60270

.

STD.FRROK COMPUTED PARTIAL SUM OF SC. PPOP. VAR.

4.3374

VARIABLE	E PEAN	STD. DEVIATION	REG.	STD.FRROK	COMPUTED	PARTIAL COPF. CDF.	SUM OF SQ.	PPOP. VAR.
1	1.43478	0.78775	-0.00700	0.55672	-0.01253	-0.00336	0+12462	0.00111 0.04704
3	3.62087	1.45099	0.49850 0.00000	0.22742	2.19172	0.50547	6.60334	0.05864
10	2.43473 0.01652		0.17530 - 80.18996	0.27963 30.04502	7+62857 -2-56373	0.13567	30.24146	0.26855
12 13	1.04826		1.61131 0.07349	0.47784 0.54240	3.37207	0.00147 0.03619	27.41350	0.24344 0.00037
8	2.36957	2.26243						

149

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## TABLE 54 50-100,000 KEY 6

### SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 7 ANALYSIS OF VARIANCE FOR THE MULTIPLE

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.2252<br/>0.4746

 $(a,b) \in \mathbb{R}^{n \times n}$ 

SUI15			REGRESSION					
5000	RCC OF VARIA	ATICN		JM OF JARES	MEAN SOUARES	F VALUF	p	
	SREESTON		8 16.	.04143	2.00518	0.5083		
C VIATION	<u>ABOUT REGER</u>			<u>.17613</u> .21753	3,94115		<u>n,s,</u>	
ARIABLE	MEAN	STD.	<u> </u>	STU. CRADE	CONFUTED	PAPTIAL	301 OF 50. 1	1800. VA
NG.		DEVIATION	<u>C(:#FF.</u>	0F FEG.CO		<u>(())</u>		C11M .
1 2	1.43478 4.38217	0.78775 1.91456	0.09464 -0.08885	0.72979 0.32650	0+12963 -0+27046	0.03464 -0.07210	2.19829 2.00303	0+0300
3	3.52087	1.85099	0.25341	0.25313	0.35002	0.22153	5.53056	0.077
		61053.81250	-0.00000	0.00001	-0.51171	-0.13550	0.07325	0.001
10 11	2.4347J J.01652	1.80469 0.01465	0.01983 6.46591	0.36663 39.36672	0.05410 0.16427	0.01446 0.04336	0.53781 2.53402	0.007
12	1.84820	1.10370	0.49927	0.62679	0.79706	0.23835	1.72719	0.024
13	1.56522	0.84348	C. 42939	C. 71102	0.60321	0.15934	1.43735	0.020
.7	3.65217	1.79921						
			TA	BLE 55	50-100,000	KEY 6		
SAMPLE		3		•	COE	FFICIENT OF	DETERMINATION	0.5054
DEPEND		BLE IS NOW N					COEFFICIENT	0.710
•	AWALY	YSTS OF VART LINEAR	ANCE FOR THE REGRESSION	E MULTIPLE				
SUUF	RCE OF VARIA		C.F. 51	UM (IF UARES	MEAN SOUAFES	r VALU ^r	p	
UE TO REG	GRESSICH	•••••		•59544	6.94943	1.76.63	· · · · · · · · · · · · · · · · · · ·	
EVIATION	ABOUT REGRE	<u>ESSIEN</u> Tetal		<u>.40456</u>	3.98604		n.s.	
ARIABLE NO.	MEAN	STD. DEVIATION	RUG. CLEFF.	STD.EPPOR DF REG.CO		PARTIAL CORR. COR		• • • • • • • • • • • • • • • • • • •
1	1.43473	C.73775	-C. 19379	0.72467	-0.26742	-0.07129	0.29299	0.002
2	<u>4.83217</u> 3.62037	<u> </u>	<u>-0.11963</u> 0.23726	0.32619 0.29603	<u>-0.36676</u> 0.80146	<u>-0.09755</u> 0.20545	0.12302	<u>0.151</u>
		61053.81250	-0.00000	0.0000	-0.18521	-0.04944	0.00000	0.191
10	2.43470	1.80469	-0.20460	0.36406	-0.72680	-0.19063	9.74705	1.045
11	0.01052	<u> </u>	<u>65.69501</u>	39.11037	<u>1.73201</u> 0.28742	0.42993	21.76247	.).197
12 13	1.84626	1.10370	0.17978 0.94739	0.62200 0.70603	1.34137	0.07659 0.73753	0.01711 6.99723	0.000 0.063
6	3.00000	2.23607						
			ТА	BLE 56	50-100,000	KEY 6		
SAMPLE	E SIZE 2	23	ТА	BLE 56	-		DETERMINATION	0. 418
	ENT VARIA	BLE IS NOW N	10 5		COE	FFICIENT OF	DETERMINATION COEFFICIENT	
DEPEND	DENT VARIAR	BLE IS NOW N YSIS OF VARI	IO. 5 ANCE FOR TH		COE	FFICIENT OF		
DEPEND	ENT VARIA	BLE IS NOW N YSIS OF VARI	NO. 5 ARCE FOR TH REGRESSION D.F. SI	F MULTIPLE	COE MUL	FFICIENT OF <u>TIPLE CORR.</u>		
DEPEND SOUR	DENT VARIAR ANALY RCE OF VARIA	BLE IS NOW N YSTS OF VART TINEAR ATTON	10. 5 ANCE FOR THE REGRESSION D.F. SU SQU 8 56	F MULT 191 F UM 17F UAR ES • 4 5 1 63	COE MUL 5 QUARTS 7 - 300 45	FFICIENT OF TIPLE CORR.	COEFFICIENT	
DEPEND SOUL	DENT VARIAR	BLE IS NOW N YSTS OF VART TINEAR ATTON	IO.         5           ANCE FOR THE         FOR THE           REGRESSION         SQL           D.F.         SQL           8         SE           14         61	F MULTIPLE UM DE UARES	COE MUL SQUARES	FFICIENT OF TIPLE CORR.	COEFFICIENT	
DEPEND SOUR	DENT VARIAR ANALY RCE OF VARIA	BLE IS NOW N YSIS OF VARI <u>I INCAE</u> ATIGN	IO.         5           ANCE FOR THE         FOR THE           REGRESSION         SQL           D.F.         SQL           8         SE           14         61	F MULTIPLE UM DE UARES .49193 .37424	COE MUL 5 QUARTS 7 - 300 45	FFICIENT OF TIPLE CORR.	COEFFICIENT	
	DENT VARIAR ANALY RCE OF VARIA	BLE IS NOW N YSIS OF VARI <u>1 INEAE</u> ATION +SSICH TUTAL STD.	IO. 5 ANCE FOR THE REGRESSION D.F. SU SQU 8 56 14 61 22 139 PEG.	F MULT 191 F UM OF UARES .49193 .37424 .92017 STD. FFROM	COE MUL 30046F5 7.30046 5.31244	FFICIENT OF TIPLE CORR. VALUF L.2570	COEFFICIENT           p           n.s.           SUM OF \$0.00000000000000000000000000000000000	0.646
	DENT VARIAE ANALY RCE CF VASTA GRESSION ABOUT REGA	BLE IS NOW N           YSIS OF VARI           1 INEAR           ATION           +SSICH           TUTAL           STO.           DEVIATION	IO. 5 ANCE FOR THE REGRESSION P.F. SU SQL 8 5E 14 61 22 139 REG. COFFE	F MULT 191 F UARES .49193 .37424 .92017 	COE MUL 5014FF5 7-30045 5-31244 COMPUTED F. T VALUE	FFICIENT OF <u>TIPLE CORR.</u> VALUF 1.2570 PACTI / L C(J · . C)F	P n.s. SUM OF SO.	0.646
	DENT VARIAR ANALY RCE CF VARIA GRESSION ABOUT REGR	BLE IS NOW N YSIS OF VARI <u>1 INEAE</u> ATION +SSICH TUTAL STD.	IO. 5 ANCE FOR THE REGRESSION D.F. SU SQU 8 56 14 61 22 139 PEG.	F MULT 191 F UM OF UARES .49193 .37424 .92017 STD. FFROM	COE MUL 30046F5 7.30046 5.31244	FFICIENT OF TIPLE CORR. VALUF L.2570	COEFFICIENT           p           n.s.           SUM OF \$0.00000000000000000000000000000000000	0.646
DE PEND SOUR SOUR DUE TU PEO SULATIUN ARIAULE NO. 1 1 2 3	DENT VARIAE ANALY RCE CF VARIA GRESSION ABOUT RFGR MEAR 1.43473 4.93217 3.62367	BLE IS NOW N YSIS OF VAFI 1 INCAE ATION TOTAL DEVIATION C.78775 1.81496 1.35992	IO.         5           ANCE         FOR         THE           P.F.         SU         SU           0.F.         SU         SU           0.40480         SU         SU	F MULT 191 F UM OF UARES .49163 .37424 .92017 STO.FF.RM UF FEG.CO U.8563 0.36205	COE MUL SUMARES 7.30(45) 5.31244 COMPUTED F. T.VALUE -0.77308 -0.39357 1.118 J8	FFICIENT OF TIPLE CORR.	COEFFICIENT p n.s. SUM OF 50. ADDED 0.05534 0.01384 20.22794	0.646
DE PEND SOUT DUE TO PEO EVIATION VARIAULE NO. 1 2 3 9 44	DENT VARIAR ANALY RCE CF VARIA GRESSION ABJUT REGR MEAR 1.43473 4.93217 3.62057 4367.51953	STO.           DEVIATION           STO.           DEVIATION           C.78775           1.81496           1.05097           61052.91250	IO. 5 ANCE FOR THE REGRESSION D.F. SU 8 5 14 6 14 22 139 REG. 8 CUFFE. -0.68516 -0.15701 0.40480 C.(0000	F MULT 191 F UM OF UARES .49193 .37424 .92017 STO. FREOK UF REG.CO U. 84627 U. 8563 0.36205 0.0001	COE MUL 50045F5 7.30045 5.31244 60.77308 -0.39357 1.11808 0.31789	FFICIENT OF TIPLE CORR. 1.2570 0.20234 -0.20234 -0.20631 0.28631	COEFFICIENT P n.s. SUM OF 50. ADOFD 0.05539 0.01363 20.22794 5.04288	0.646
DE PEND SOUR DUE TO PEO EVIATION ARIABLE NO. 1 2 3	DENT VARIAE ANALY RCE CF VARIA GRESSION ABOUT RFGR MEAR 1.43473 4.93217 3.62367	STO.           STO.           DEVIATION	IO. 5 ANCE FOR THE REGRESSION D.F. SU B 56 14 61 22 139 PEG. CUFFF. -C. 68516 -0. 15701 0. 40480 C. (0030 -0. 72832	F MULT 1PI F UM OF UARES .45193 .37424 .92017 	COE MUL 5006FFS 7.30.45 5.31244 COMPUTED F. T VALUE -0.77308 -0.39357 1.118.98 0.31789 -1.03577	FFICIENT OF TIPLE CORR. VALUF 1.2570 -0.20234 -0.10401 0.28641 0.03405 -0.40057	P n. 5. SUN OF 50. ADOLD 0.05534 0.01364 20.22744 5.04288 12.98694	0.646
DE PEND SOUT DUE TU PEO DEVIATION /ARIAULE NO. 1 2 3 	DENT VARIAE ANALY RCE CF VARIA GRESSION ABJUT REGR MEAN 1.43470 4.93217 3.62007 436751953 2.43470	STO.           DEVIATION           STO.           DEVIATION           C.78775           1.81496           1.05097           61052.91250	IO. 5 ANCE FOR THE REGRESSION D.F. SU 8 5 14 6 14 22 139 REG. 8 CUFFE. -0.68516 -0.15701 0.40480 C.(0000	F MULT 191 F UM OF UARES .49193 .37424 .92017 STO. FREOK UF REG.CO U. 84627 U. 8563 0.36205 0.0001	COE MUL 50045F5 7.30045 5.31244 60.77308 -0.39357 1.11808 0.31789	FFICIENT OF TIPLE CORR. 1.2570 0.20234 -0.20234 -0.20404 0.28031 0.03405	COEFFICIENT P n.s. SUM OF 50. ADOFD 0.05539 0.01363 20.22794 5.04288	0.646

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#### TABLE 57 50-100,000 KEY 6

SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 4

#### COEFFICIENT OF DETERMINATION 0.4966 MULTIPLE CORR. COEFFICIENT 0.7047

ANALYSIS OF VARIANCE FOR THE RULTIPLE

SOURCE OF VAFIATION	C.F.	SUM UF	MEAN	VALUF		
DUE TO REGRESSION	8	60.07025	7.50578	1.7205	n.s,	
TOTAL	22	120.95554				

VARTABLE	MEAN	STO. DEVIATION	REG. COFFF.	STD.FCSCP OF SFC.COF.	CUMPUT FO	1417249	SUP OF SO.	PP IP. V/F.
1	1.43470	0.78775	-0.83699	0.76633	<u> </u>	<u>-0.28011</u>	<u> </u>	<u>Cije</u>
2	4.88217	1.81456	- 2. 09200	0.34528	-0.27,94	-0.07461	1.10456	0.00714 0.00913
3	3.62087	1.85099	0.45254	3.31317	1.44572	0.30027	25.17398	20812
10	<u>44337.51953</u> 2.43473	<u>61053.81750</u> 1.80469	<u> </u>	0.00001	J.44877	<u>C.11963</u>	3.71450	0.03071
11	0.01352	0.01465	-0.64511 -6.72276	0.36514 41.37462	-1.67502	-0.47859	9.76115	3.08070
12	1.04826	1.10370	1.08086	0.65001	<u>-0.13247</u> 1.65478	<u> C. 04335</u> 0.40447	4.50393	0.03724
13	1.56522	0.64348	0.42630	C. 74640	1.24219	0.31462	6.68907	0.06828
4	4.04345	2.34479						

#### TABLE 58 50-100,000 KEY 5

SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 8

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23

#### COEFFICIENT OF DETERMINATION 0.2651 MULTIPLE CORR. COEFFICIENT 0.5149

p

n.s.

ANALYSIS OF VA				
SOURCE OF VARIATION	C.F.	SUN OF SCUARES	NEAN SOUASES	F VALUI
DUE TU REGRESSION IDEVIATION ABOUT REGRESSION	8	13.48716	1.685.59	0.6314

22

50.80563

STC. DEVIATION	KEG.	STURGERUND JF LEGROUP.		PARTIAL CEES, COS
0.886.80	-0.07520	0.57617	- 7.13054	-0.034.7

		DEVIATION	COEFF.	<u>1 EG.COE</u> .	T VALUE	GERS. COS.	4-10E-1	C 1111
1	1.320.)7	0.88683	-0.07520	0.57697	-).13054			<u> </u>
4	5,18130	0.78644				-0.034.17	5.01025	0.05918
			0.88503	<u> </u>	<u>1.60351</u>	0.36464	4.995.2	0.09821
2	4.1.304	1.51908	-0.28339	0.31488	-0.08593	-0.23040	0.39519	2.00777
	<u>39223.63547 5</u>	7478.90625	-0.00000	0.00001	-0.01294	- (. 0: 346	0.36307	0.00708
10	3.60870	1.07615	-C.18424	0.41036	-0.44917			
11		2029.29370				-0.11914	9.23235	0.00752
			0.00022	0.00021	<u>1.02944</u>	0.26527	1.54917	0.03045
12	2.57521	0.63795	0.67957	0.77353	0.6765?	0.72255	7.67450	1.05258
13	2.95652	1.55149	-0.01240	0.29522	-0.21169	-0.05540		
6	3.59565	1.52041				- ( ) ) 7 1 0	0.11965	0.00235
-								

TABLE 59 50-100,000

KEY 5

### COEFFICIENT OF DETERMINATION 0.3522 0.5934

SHW FF SO. PROP. VAF.

DEPENDENT VARIABLE IS NOW NO. 7 MULTIPLE CORR. COEFFICIENT ANALYSTS OF VARIANCE FOR THE MULTIPLE LINEAR PEGRESSION SOURCE OF VALIATION r.F. SUM DE MEAN F SQUARES 22-538C4 SCHARES р VALUE DUE TO REGRESSION.... DEVIATION ABOUT REGRESSION... \$ 2.81720 0.9513 41.46150 14 n.s. 2.96157 TUT 1L ... 22

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VARTABLE NO.	NEAN	STD. DEVIATION	PCG. CLAFF.	STD.ERXOF OF FCG.COF.	COMPUTED T VALUE	FARTIAL CUME: COL.	SUR OF SC.	PHOP. VAP.
1	1.92639 <u>5.18130</u>	C. 88688 0.75644	0.05756	0.60069	0.14498	0.03572	0.05779	2.00090 2.37300
		1.51908 57478,50625	0.04045	0.33638	0.12066	0.03223	0.28021	0.00438
10		1.07615	-0.63473	0+43217	-0.03037	-0.02145 0.01328	0.04707	J.00074
12 <u>13</u>	2.57521	0.63795	0.07139 0.05511	0.81464 C.31091	0.00702	0.02341	0.00303	0.00075

VARIABLE

ND.

SAMPLE SIZE

23

#### COEFFICIENT OF DETERMINATION 0.4395 MULTIPLE CORR. COEFFICIENT 0.6629

COEFFICIENT OF DETERMINATION 0.2772

0.5265

MULTIPLE CORR. COEFFICIENT

KEY 5

DEPENDENT VARIABLE IS NOW NO. 6 ANALYSIS OF VARIANCE FOR THE MULTIFLE

SOURCE OF VAFIATION	0.۴.	AD MUZ	MEAN	F.	0
		SOUAR ES	SQUARES	VAL07	
DUE TO REGRESSION	8	25.48569	3.18621	1.3721	
DEVIATION ABOUT REGRESSION	14	32.51031	2.32215		<u> </u>
TOTAL	22	58.00000			

VARIABLE	NEAN	510. DEVIATION	REG. CHEFF.	STU. ERROR DE REG.COP.	CO-IPUTED T VALUE	PARTIAL CCPF. CUF.	SUN OF SU. ACMED	PENP. VAF. CIM.
1 4	1.92609	0.88698	0.11896 1.08982	C.53722 C.51314	0.22126	0.05703 0.48364	0.23116 22.50284	0.00399 1.39798
5 9	4.14304	1.51908	0.13906	0.29830	0.46282	0.12276 -0.0 <u>326</u> 5	0.00109 0.01418	0.00002 0.00024
10	3.63870	1.07615	-0.17396 0.00000	C.38263 C.C()320	-0.45450	-0.12061 0.00477	0.01756	0.00030 0.00098
12	2.57521	0.63795	-0.73396	0.72136 0.27531	-1.01747 -0.04720	-0.2524) -0.17044	1.64368	0.02970 0.01677
6	4.0000	1.62369						

#### 50-100,000 TABLE 61

KEY 5

SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 3

SAMPLE SIZE

1

A 4/LT213 (P V/9	(1) (00) [1] [1]	OF THE POLICE	1			
LINEAF	- 926PES	STON				
SOURCE OF VAKIATION	D.F.	SUM OF	MEAN	r	-	
		SOUARES	SUNAFES	VALUS	P	
OUE TO REGRESSION	8	25.21031	3.15129	0.6710		
DEVIATION ABOUT REGRESSIEN	14	65.74623	4.09610		<u>n.s.</u>	
TOTAL	2.2	90.95654				

				•				
VARIABLE	MEAN	STD.	kEG.	STD.ERROR	COMPUTED	PARTIAL	SUM UF 26.	PEND. VAS.
NU.		DEVIATION	COEFF.	OF SEG.COT.	* VALUF	COPR. CSF.	<u> </u>	C (181 .
1	1.92609	63083+0	0.76824	0.76397	1.00559	0.25555	11.04698	0.12145
4	5.18130	0.76644	-0.43673	0.72073	-0.59848	-0.15794	3.31492	0.03633
5	4.14304	1.51906	0.05704	0.42421	).13446	0.03591	0.04457	0.00049
9	39223.50547	57478.90625	0.00001	0.00001	0.60656	0.16002	5.86695	0.06452
10	3.03670	1.07615	-0.07904	0.54420	-0.14524	-0.03079	0.41011	0.00451
11	1032.82593	2329.29370	0.00020	0.00028	0.71012	0.19646	1.95504	0.02149
12	2.57521	0.63795	-0.31305	1.02554	-0.30517	-0.05129	0.02318	0.00025
13	2.95652	1.55149	-0.28988	0.39151	-3.73786	-0.19348	2.55674	0.02811
3	3.75652	2.03322						

TABLE 62 50-100,000 KEY 5

COEFFICIENT OF DETERMINATION 0.3843 SAMPLE SIZE 23 SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 2 ARALYSI'S OF VARIANCE FOR THE MULTIPLE LINEAR REFESSION MULTIPLE CORR. COEFFICIENT 0.6199 SOURCE OF VAPIATION SUP OF NEAN F C.F. VALUT SUMARES SQUARES Ρ QUE TU REGRESSION..... DEVIATION ABOUT REGRESSION.... TOTAL... 2.92363 23.38945 1.0921 Я 37.48018 n.s. 14 22 66.86963

VARIABLE	E MEAN	570.	REG.	STO.FPLOR	CONPUTED	PAPIIAL	SUM OF SO.	PENP. VAR.
<u>NO.</u>		<u>OFATION</u>	<u>, 11-112</u>	<u> </u>		<u> </u>	A DEED	<u>CIIM.</u>
1	1.92609	C. F8688	0.75664	0.57682	1.31073	6.33660	17.62838	3.21747
. 4	5.13130	0.78644	-0.07458	0.55097	-0.13536	-0.03615	0.24065	0.00395
5	4.14304	1.51906	0.40317	0.32029	1.25876	0.31386	8.27989	J.13588
. 9	39223.60547	57478.90625	0.00000	0.00001	.). 34334	6.01159	0.13513	0.00222
10	3.60870	1.07615	-0.24245	0.41089	-0.59005	-0.15577	0.19649	0.00323
	1032.82593	2029.29370	0.00013	0.00021	0.61744	0.16282	1.242.94	0.02290
12 ·	2.57521	C.63795	-0.33501	0.77454	-0.43253	-0.11403	C.38472	0.0632
	2,95652	1.55149	-0.06746	0.25560	-0.22323	-0.06083	0.13944	0.00225
2	4,69565	1.66337						

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1.00

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## TABLE 63 50-100,000 KEY 4

SAMPLE SIZE 23 DEPENDENT VARIABLE IS NOW NO. 6 ANALYSIS OF VAPIANCE FOR THE MULTIPL

.

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.2835<br/>0.5325

			ANCE FOR THE	: MULTIPLY				
SOU	RCF CF VARI	TATION	REGRESSIUN D.F. St	IM CF	MEAN	F		
	GRESSICN			JARES	SCHAPES	VALUE	<u>p</u>	
EVIATION	ABOUT REGR	CESTON		.08689 .12863	1.88611 2.72347	0.6925	n.s.	
				21753				
			16 b@ww					
ARTABLE	MEAN	STD.	PEG.	STD. CRPOR				PEOP. VA
<u>_NO.</u>	1.82609	DEVIATION		DF RFC.CO		<u>(01) (1)</u>		CUM.
7	<u>5.18130</u>	C.88688 0.73644	0.38496 -0.32453	0.55179 0.55571	0.66158 -0.58398	0.17414	3.15709	0.0593
8	4.14304	1.51908	0.19293	0.32305	-0.58348 0.59720	-0.15421	<u> </u>	0.0582
		57478,90625	<u>c.</u> cooso	0.00001	0.32226	0.00591	0.71098	0.0940
10	3.60870	1.07615	-0.74284	0.41443	-0.53595	-0.15472	0.33253	3.0062
	1022.12593	2029.29370	0.00021	0.00021	0.96393	0.24948	2.75717	0.0518
12	2.57521	0.63795	0.06834	0.78121	0.03748	0.02177	0.01361	<u>ა</u> იიი2
6	<u>2.95652</u> 4.34753	<u> </u>	0.01697	0.29815	0.06362	0.0170)	0.01102	0.0002
		<u>.</u>	 TAH	3LE 64	50-100, 000	КЕЧ 4		
SAMPLE	SIZE 2	23				FICIENT OF	DETERMINATION	0. 5355
		BLE IS NOW NO	<b>J.</b> 5				COEFFICIENT	0.7318
		LINFAR	ANCE FOR THE <u>FEGRESSION</u>	MULTIPLE				
	RCE OF VARI			IN OF JAKES	MEAR	F VALUE	p	
UE TU RE	GRESSION			42401	2. 923.00	2.0178		
<u>VIATION</u>	ABOUT REGE	TOTAL		<u>.31525</u> .73926	1.45109		n.s	
ARIABLE	PEAN	STD.	FFG.	STD.FRROR	COMPUTIO	FAFTIN	5UM OF 50.	1.01P. VA
ND.		<u>OEV1AT10N</u>	COEFE.	06 826.CO		COPP. 028		CUM.
1	1.32609	0.88688	0.495/6	0.42467	1.16741	0.25735	8.44265	0.1930
8	<u>5.13130</u> 4.14304	<u> </u>	<u>-0.09872</u> 0.31446	0.40563	-0.24334	-0.06451		<u></u>
		57478.90625	0.00000	0.23981	1.33355 0.11016	0.33572 0.62943	8+65113	0.1977 0.0038
10	3.60870	1.07615	-C.29420	0.30251	-0.97255	-0.25157	0.92787	0.0212
	1032.32593	2029.29370	0.00009	0.)0016	0.58032	0.15327		0.0411
						V•19267	1.(9(2)	
12	2.57521	C.63795	-0.42964	C.57.324	-0.75345	-0.19740	1.79753	
12 _ <u>13</u> 5	2.97521 <u>2.95652</u> 5.52174	C.63795 <u>1.55149</u> 1.41002	-0.42964 0.22328		-0.75345 1.02598			0.0436
_13	2.75652	1.55149	0.22328	C.57024 0.21763	1.02598	-0.19740 0.26444	1.90905	0.0436
_13	<u>2.95652</u> 5.52174	1.55149	0.22328	C.57.324	<u>1.02598</u> 50-100,000	-0.19740 0.26444 KEY 4	1.90905	0.0436
SAMPLE	2.05652 5.52174	<u>1.55149</u> 1.41002 23	<u>0.22328</u> TA	C.57024 0.21763	1.02598 50-100,000 COEI	-0.19740 0.26444 KEY 4 FFICIENT OF	1.90905 1.57747 DETERMINATION	0. 3504
13 5 SAMPLE	2.95652 5.52174 SIZE DENT VARIA	1.55149 1.41002 23 BLE IS NOW N	0.22328 TA	C.57.024 0.21763 BLE 65	1.02598 50-100,000 COEI	-0.19740 0.26444 KEY 4 FFICIENT OF	1.90905	0.0436
13 5 SAMPLE DEPEND	2.95652 5.52174 SIZE DENT VARIA	1.55149 1.41002 23 BLE IS NOW N	0.22328 TA 10. 4 1ANCE FOR TH REGRESSION 0.F. S	C.57.024 0.21763 BLE 65 #F MULTIPLE	1.02598 50-100,000 COEI MUL	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR	1.90905 1.52747 DETERMINATION COEFFICIENT	0. 3504
SAMPLE DEPEND	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR	1.55149 1.41002 23 BLE IS NOW N NLYSIS OF VAR LINFAR ILATION	0.22328 TA 10. 4 1ANCE FOR TH <u>REGRESSION</u> 0.F. SG	C.57.024 0.21763 BLE 65 IF MULTIPLE SUM PE	1.02598 50-100,000 COEI MUL	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR	1.90905 1.57747 DETERMINATION	0. 3504
SAMPLE DEPEND	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR LINEAR	0.22328 TA 10. 4 1ANCE FOR TH REGRESSION 0.F. S 50 8 24 14 45	C.57.024 0.21763 BLE 65 IF MULTIPLF SUM FF OUARES 0.46671 0.35947	1.02598 50-100,000 COEI MUL	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR	1.90905 1.52747 DETERMINATION COEFFICIENT	0. 3504
SAMPLE DEPEND	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR	1.55149 1.41002 23 BLE IS NOW N NLYSIS OF VAR LINFAR ITATION BEESSION	0.22328 TA 10. 4 1ANCE FOR TH REGRESSION 0.F. S 50 8 24 14 45	C.57.024 0.21763 BLE 65 IF MULTIPLE SUM PE OUARES	1.02598 50-100, 000 COEI MUL ΜCΔΝ <u>SQUASES</u> 3.05034	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR	1.90905 1.57747 DETERMINATION COEFFICIENT	0. 3504
SAMPLE DEPEND SOU DUE TO RI DEVIATIO	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSIGN	1.55149 1.41002 23 BLE IS NOW N LINEAR ILINEAR ILINEAR ILINEAR ILINEAR ILINEAR ILINEAR ILINEAR ILINEAR	0.22328 TA 10. 4 1ANCE FOR TH <u>REGRESSION</u> 0.F. SO 8 24 14 44 22 65	C.57.024 0.21763 BLE 65 #F MULTIPLE 50M PF 2048ES ••46671 2.35947 5.82617	1.02598 50-100,000 COEI MUL SQUARES 3.05034 3.23996	-0.19740 0.2444 KEY 4 FFICIENT OF TIPLE CORR	1.90905 1.52747 DETERMINATION COEFFICIENT p	0. 3504 0. 5919
SAMPLE DEPEND SOU DUE TU RI DEVIATIO	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSION ABOUT REG	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR LINEAR TATION SEFSSION TCTAL STD. DEVIATO	0.22328 TA 10. 4 1ANCE FOR TH REGRESSION D.F. SG R 244 14 44 22 65 FEG.	C.57.024 0.21763 BLE 65 IF MULTIPLF SUM FF OUARES 0.46671 0.35947	1.02598 50-100,000 COEI MUL *QUARES 3.05034 3.05034 3.03936	-0.19740 0.2444 KEY 4 FFICIENT OF TIPLE CORR	1.90905 1.57747 DETERMINATION COEFFICIENT p n.s.	0. 3504 0. 3504 0. 5919
13 5 DEPEND 500 500 500 500 500 500 500 500 500 50	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSION ABOUT REG MEAN 1.326J9	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR LINFAE TATION BEFSSION TCTAL STD. DEVIATIO C.Ed683	0.22328 TA IO. 4 IANCE FOR TH REGRESSION D.F. SC R 24 14 44 22 69 R 24 14 44 22 69 R 24 14 44 22 69	C.57.024 0.21763 BLE 65 #F MULTIPLF SUM PF 20.46671 2.35947 2.35947 2.02617 STN.EPE.OF 0F REG.CC 0.63456	1.02598 50-100,000 COEI MUL ***********************************	-0.19740 0.2444 KEY 4 FFICIENT OF TIPLE CORR F VALUE 0.9439	1.90905           1.52747           DETERMINATION           COEFFICIENT           P           n.s.	0. 3504 0. 3504 0. 5919
13 5 DEPEND 500 500 DUE TO RI DEVIATIO VARIAULE 1 7	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSIGN ABOUT REG MEAN 1.326J9 5.10130	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR LINEAR ILINEAR TOTAL STD. DEVIATIO C. EME03 0.78644	0.22328 TA IO. 4 IANCE FOR TH <u>REGRESSION</u> D.F. SC R 24 14 44 22 65 R 24 14 45 10.9657 -0.18505	C.57.024 0.21763 BLE 65 HF MULTIPLF BUARES 0.46671 0.35947 5.82617 STN.EP8.0F OF REG.CC 0.63456 0.63456	1.02598 50-100,000 COEI MUL SQUACES 3.05034 3.23936 COMPUTED JE. T.VALUE 1.728J9 -0.30662	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR F VALUE 0.9439	1.90905 1.52747 DETERMINATION COEFFICIENT p n.s. SUM (F SQ. ADD10 6.81103 0.19594	0. 3504 0. 3504 0. 5919
13 5 DEPEND DUE TO RI DUE TO RI DEVIATIO VARIABLE 1 7 8	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSION ABOUT REG MEAN 1.326J9 5.10130 4.14304	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR <u>LINEAE</u> ILATION SEFSSION TCTAL STD. <u>DEVIATIO</u> C.E8603 0.78644 1.51908	0.22328 TA IO. 4 IANCE FOR TH <u>REGRESSION</u> D.F. SC R 24 14 44 22 65 R 24 14 45 22 65 N COPES 1.09657 -J.18505 0.13800	C.57.024 0.21763 BLE 65 #F MULTIPLE 50M PF 20ARES •.46671 2.35947 5.82617 5.82617 STD.EPR.00 DF REG.00 0.63612 0.35236	1.02598 50-100,000 COE) MUL SQUARES 3.05034 3.05034 3.23990 COAPUTE I.72809 -0.30662 0.39155	-0.19740 0.24444 KEY 4 FFICIENT OF TIPLE CORR F VALUE 0.9439 0.9439	1.90905 1.57747 DETERMINATION COEFFICIENT p n.s. SUNCE SO 0.0010 0.10594 2.67248	0. 3504 0. 3504 0. 5919 0. 5919
13 5 DEPEND SOU DUE TU RI DEVIATIO VARIAULE NO. 1 7 8 9	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSIGN AROUT REG MEAN 1.326J7 5.10130 4.14304	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR LINEAR TOTAL STD. DEVIATION C.Ed683 C.78644 1.51908 57478.90625	0.22328 TA TA IO. 4 IANCE FOR TH REGRESSION D.F. SU R 24 14 4 22 65 R 24 14 4 14 5 C.F.F. 1.07657 -0.13800 -0.00001	C.57.024 0.21763 BLE 65 HF MULTIPLF SUM PF 20ARES 0.46671 0.46671 0.35947 5.82617 STN.EPF.OF 0F REG.CC 0.63456 0.63612 0.35236 C.0CC01	1.02598 50-100,000 COE) MUL SOUAPES 3.05034 3.23936 COAPUTE 1.72809 -0.30662 0.39155 -0.81345	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR F VALUE 0.9439 0.9439	1.90905 1.57747 DETERMINATION COEFFICIENT p n.s. SUM (F SQ. ADDI Q 8.61103 0.19594 2.69246 0.52107	0. 3504 0. 3504 0. 5919 0. 5919
13 5 DEPEND DUE TO RI DUE TO RI DEVIATIO VARIABLE 1 7 8	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSION ADOUT REG MEAN 1.32609 5.10130 4.14304 39223.60547 3.60370	1.55149           1.41002           23           BLE IS NOW N           LINFAR           LINFAR           TOTALON           STD.           DEVIATION           C.Ed693           O.78644           1.51908           57478.02625           0.107617	0.22328 TA TA IO. 4 IANCE FOR TH <u>REGRESSION</u> D.F. SC R 24 14 44 22 69 <u>R 24</u> 14 44 22 69 <u>CC+FF</u> 1.07657 -0.18505 0.13800 -0.00001 -0.00001	C.57.024 0.21763 BLE 65 #F MULTIPLF SUM PF 20 ARES 6.46671 6.35947 5.82617 DF REG.CC 0.63456 0.63456 0.63612 0.35236 C.0CC01 0.452.02	1.02598 50-100,000 COEI MUL * * * * * * * * * * * * * * * * * * *	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR F VALUE 0.9439 0.9439 0.9439 0.9439 0.9439 0.9439 0.9439 0.9439 0.9439 0.9439	1.90905 1.57747 DETERMINATION COEFFICIENT P 0.5. UE CE SQ. 40010 8.61103 0.19594 2.69248 0.52407 3.72692	0. 3504 0. 3504 0. 5919 0. 5919 0. 5919 0. 126 0. 002 0. 003 0. 013 0. 013 0. 013
<u>SAMPLE</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u> <u>5</u>	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSIGN ADDUT REG MEAN 1.32607 5.10130 4.14304 39223.60547 3.60370 1032.32593 2.57521	1.55149 1.41002 23 BLE IS NOW N LINEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR ILNEAR IL	0.22328 TA TA IO. 4 IANCE FOR TH <u>REGRESSION</u> D.F. SC R 24 14 44 22 69 <u>R 24 14 44</u> 22 69 <u>R 24</u> 14 44 22 69 <u>R 24</u> 14 44 27 69 <u>R 24</u> 14 44 70 70 70 70 70 70 70 70 70 70 70 70 70	C.57.024 0.21763 BLE 65 HF MULTIPLF SUM PF 20ARES 0.46671 0.46671 0.35947 5.82617 STN.EPF.OF 0F REG.CC 0.63456 0.63612 0.35236 C.00C01	1.02598 50-100,000 COE) MUL SOUAPES 3.05034 3.23936 COAPUTE 1.72809 -0.30662 0.39155 -0.81345	-0.19740 0.26444 KEY 4 FFICIENT OF TIPLE CORR F VALUE 0.9439 0.9439	1.90905 1.52747 DETERMINATION COEFFICIENT P 0.5. UN OF SQ. ABDI 0 0.10594 2.69249 0.52497 3.72692 5.92126	0. 3504 0. 3504 0. 5919 0. 5919 0. 5919 0. 126 0. 0.02 0.03 0.013 7. 053 0. 084
13 5 SAMPLE DEPEND SOU DUE TO RI DEVIATIO VARIAULE NO. 1 7 8 9 10	2.95652 5.52174 SIZE DENT VARIA ANA JRCE OF VAR FGRESSION ADOUT_REG MEAN 1.326J9 5.13130 4.1430 4.1430 4.1430 39223.60370 1032.32593	1.55149 1.41002 23 BLE IS NOW N ALYSIS OF VAR LINEAR TATION STD. DEVIATION STD. DEVIATION C.E4693 0.78644 1.51908 57478.0025 0.1.07615 2.0258.20370 1.55149	0.22328 TA TA 0. 4 IANCE FOR TH <u>REGRESSION</u> 0.F. SC R 24 14 44 22 65 R 24 14 44 22 65 N <u>CC+FF</u> 1.09657 -0.18505 0.13800 -0.00001 1 -0.73127 0.06027 -0.67293 -0.15416	C.57.024 0.21763 BLE 65 #F MULTIPLF SUM PF 20 ARES 6.46671 5.35947 5.82617 DF REG.CC 0.63456 0.63612 0.35236 C.0CC01 0.45702 0.00025	1.02598 50-100,000 COEJ MUL ***********************************	-0.19740 0.24444 KEY 4 FFICIENT OF TIPLE CORR 0.9439 0.9439 0.9439 0.9439 0.94105 0.41920 -0.06167 0.10410 -0.21640 0.25949	1.90905 1.52747 DETERMINATION COEFFICIENT P 0.5. (1. A0010 8.F1103 0.19594 2.69248 0.52437 3.72692 5.92126 1.45562	0. 3504 0. 3504 0. 5919 0. 5919 0. 5919 0. 5919 0. 5919 0. 5919 0. 5919 0. 5919 0. 5919 0. 5919

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DEPENDI		LE IS NOW NO	O. 3 AMCE FOP THE REGRESSION	MULTIPLE			DETERMINATION COEFFICIENT	0. 1902 0. 4361
SOUR	CE OF VARIA			M OF	MEAN			
0.115 The 0.1 Of				JAPES	SQUARES	VALUE	p	
	RESSION			86378 93601	0+23297 0+56685	0.4110	n.s.	
				79970	0.20053			
VARIABLE	MEAN	STD.	*+G.	STD.FREGR	COMPUTED	PARTIAL	SUM OF SO.	PRUP. VAR.
<u>ND</u>		DEVIATION	<u>CCEFF</u> .	07 8EG.CG		CORF. CHE.		
1	1.82609	0.86688	0.01372	0.26542	0.05171	0.01332	0.16573	0.01691
<u> </u>	<u>5.18130</u> 4.14304	<u>0.78644</u> 1.51908	<u>-0.05463</u> 0.10897	<u>0.25353</u> 0.14738	<u>-0.21556</u> 0.73937	-0.05754 0.19386	0.03213	0.00328
	223.60547 5		C.(0000	0.00000	0.21753	0.05304	0.13665	0.01394 0.02457
10	3.60870	1.07615	-0.03428	0.18907	-0.13131	-0.04343	0.04327	0.00441
	072.82593	2025.29770	-0.03307	0.00010	-0.73619	-0.17305	0.50304	0.06052
12	2.57521	0.63755	-0.03488	0.35641	-3.09758	-0.02515	0.03626	J.00370
<u>13</u>	<u>2.95652</u> J.71J37	1.55149	<u>-0.14178</u>	0.13602	<u> </u>	-0.26337	0.61591	0.06285
<u> </u>	J. /1.58/	C.6674?						
		•	TA	BLE <b>6</b> 7	50-100, 000	KEY 4		
SAMPLE DEPENDE	ENT VARIAB	LE IS NOW NO	D. 2 ANCE FOR THE	Filler Starf			DETERMINATION COEFFICIENT	0.2085 0.4567
SOUR	CE OF VARIA	LILEAR 1	REGRESSION		MEAN	F		
				17465	SQUAPES	VALUE	p	
	RESSION				0.83909	0.4011		
	ABOUT REGRE			.18994	1.31990		<u>n.</u> s.	
VARIABLE	MEAN	STD.	REG.	STD. ERPCR			SUM OF SQ.	
<u>NO</u>		DEVIATION	COFFF.	DE REG.CO	E. T VALUE	COPR. COF.	<u></u>	C.HM
	MEAN 1.926C9 5.18130							C.HM
<u>NU</u> 1 <u>7</u> 8	1.926C9 5.18130 4.14304	0EVIATION C. 88688 0.78644 1.51908	COFFF. 0.60852 0.22219 -0.21895	0F_KEG.CO 0.47557 0.45426 0.26407	E. T VALIJE 1.28018 0.49912 -0.62914	COPR. COP 0.32372 0.12762 -0.21675	• • • • • • • • • • • • • • • • • • •	CIIN. 0.02182 0.00016 0.00283
<u>NU</u> 1 <u>7</u> 8 9 39	1.92609 5.18130 4.14304 223.50547 5	DEVIATION C. 88628 0.78644 1.51908 57478.50625	COFFF. 0. 60852 0. 27219 -0. 21895 -0. 60000	0.47557 0.47557 0.45426 0.26407 0.00001	E. T VALUE 1.28018 0.49912 -0.82914 -0.56318	COPR. COP 0.32372 0.12762 -0.21675 -0.14384	. <u>^^)FN</u> 0.70249 0.00506 0.09109 0.00000	0.02182 0.00016 0.000283 0.00000
NU. 1 7 8 9 39 10	1.92609 5.18130 4.14304 223.505475 3.60370	<u>DEVIATION</u> C. &8608 <u>0.78644</u> 1.51908 57478.50625 1.07615	COFFF. 0. C0852 0. 27219 -0. 21895 -0. C0000 -0. 39491	UF KEG.CO 0.47557 0.45426 0.26407 0.00001 0.33677	E. T VALUE 1.28018 0.49912 -0.82914 -0.56318 -1.16574	COP4. COF 0.32372 0.12362 -0.21675 -0.14384 -0.29746	. <u>ADJED</u> 0.70249 0.00506 0.02109 0.03000 2.38164	0.02182 0.00016 0.000283 0.00000 0.00000
NO. 1 7 8 9 39 10 11 1	1.926C9 5.18130 4.14304 223.505475 3.60870 032.02593	DEVIATION C. 88628 0.78644 1.51908 5478.50625 1.07615 2029.29370	COFFF. 0. C0852 0. 27219 -0. 21895 -0. C0000 -0. 39491 0. 0C015	UF KEG.CO 0.47557 0.45426 0.26407 0.00001 0.33677 C.00016	E. T VALUF 1.28018 0.43912 -0.82914 -0.56318 -1.16574 0.84283	COP4. COP 0.32372 0.12362 -0.21635 -0.14384 -0.29740 0.21975	. <u>ADJED</u> 0.70249 0.00506 0.02109 0.0000 2.38164 0.36919	CIM. 0.02182 0.00016 0.00283 0.00000 0.07399 0.01147
NU. 1 7 8 9 39 10	1.926C9 5.18130 4.14304 223.50547 5 3.60870 032.32593 2.57521 2.95652	DEVIATION C. 68628 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149	COFFF. 0. C0852 0. 27219 -0. 21895 -0. C0000 -0. 39491	UF KEG.CO 0.47557 0.45426 0.26407 0.00001 0.33677	E. T VALUE 1.28018 0.49912 -0.82914 -0.56318 -1.16574	COP4. COF 0.32372 0.12362 -0.21675 -0.14384 -0.29746	. <u>ADJED</u> 0.70249 0.00506 0.02109 0.03000 2.38164	0.02182 0.00016 0.00283 0.00000 0.07399
NO. 1 7 8 9 39 10 11 12	1.926C9 5.18130 4.14304 223.50547.5 3.60870 032.32593 2.57521	DEVIATION C. 68628 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795	COFFF. 0. 60852 0. 27219 -0. 21895 -0. 60000 -0. 39491 0.0015 0.51344	UF REG.CO 0.47557 0.45426 0.26407 0.0001 0.33677 C.00018 0.63858	E. T VALUE 1.28018 0.43912 -0.62914 -0.56318 -1.16574 0.84283 0.30403	COP4. COF 0.32372 0.12362 -0.21635 -0.14384 -0.29740 0.21975 0.21009		CIM. 0.02182 0.00016 0.00283 0.00000 0.07399 0.01147 0.06826
NO. 1 7 8 9 39 10 11 1 12	1.926C9 5.18130 4.14304 223.50547 5 3.60870 032.32593 2.57521 2.95652	DEVIATION C. 68628 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149	COFFF. 0. 60852 0. 22219 -0. 21895 -0. 60000 -0. 39491 0.00015 0.51344 -0.17758	UF REG.CO 0.47557 0.45426 0.26407 0.0001 0.33677 C.00018 0.63858	E. 7 VALUE 1.28018 0.43912 -0.62914 -0.56318 -1.16574 0.84283 0.30403	COP4. COF 0.32372 0.12362 -0.21635 -0.14384 -0.29740 0.21975 0.21009		CIM. 0.02182 0.00016 0.00283 0.00000 0.07399 0.01147 0.06826
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE 3	1.926C9 5.18130 4.14304 223.50547.5 3.60370 032.32593 2.57521 2.95652 4.02913 SIZE 13	DEVIATION C. 68628 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962	COFFF. 0. 60852 0. 22219 -0. 21895 -0. 00000 -0. 39491 0. 0015 0.51344 -0. 17758 TA	0F KEC.00 0.47557 0.45426 0.26407 0.00001 0.33877 C.0001E 0.63858 0.24371	E. 7 VALUE 1.28018 0.43912 -0.62914 -0.56313 -1.16574 0.30403 -0.72863 25-50,000 COE	COP4. COF 0.32372 C.12362 -0.21625 -0.14384 -0.29746 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF		0.9911
NO. 1 7 8 9 39 10 11 12 13 2 SAMPLE	1.92609 5.18130 4.14304 223.50547.5 3.60370 032.32593 2.57521 2.95652 4.02913 SIZE 15 ENT VARIAB	DEVIATION C. 68628 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962	<u>COFFF.</u> 0. 60852 0. 22219 -0. 21895 -0. 00000 -0. 39491 0. 0015 0. 51344 -0. 17758 TAI	DF         kE0.00           0.47557         0.45426           0.26407         0.00001           0.33877         0.00018           0.63858         0.24371           0.63858         0.24371	E. 7 VALUE 1.28018 0.43912 -0.62914 -0.56313 -1.16574 0.30403 -0.72863 25-50,000 COE	COP4. COF 0.32372 C.12362 -0.21625 -0.14384 -0.29746 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF	. <u>ADJED</u> 0.70249 0.00506 0.02109 0.0000 2.38164 0.36919 2.19715 0.96615	C1N. 0.02182 0.00016 0.00283 0.00000 0.07399 0.01147 0.06826 0.03001
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE 3 DEPENDE	1.92609 5.18130 4.14304 223.505475 3.60870 032.02593 2.57521 2.95652 4.02913 SIZE 15 ENT VARIAB ANALY	DEVIATION C. 88608 0.78644 1.51908 57478.50225 1.07615 2029.29370 0.63795 1.55149 1.20962 3 LE IS NOW NO (SIS OF VARI LINEAR	COFFF. 0. 60852 0.22219 -0.21895 -0.00000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FOR THI P.GR ESSION	DF REC.00 0.47557 0.45426 0.26407 0.00001 0.33677 C.00018 0.63858 0.24371 BLE 68 E MULTIPLE	E. 7 VALUE 1.28018 0.43912 -0.56318 -1.16574 0.30403 -0.72863 25-50,000 COE MUL	COP 4. COP 0.32372 C.12362 -0.21675 -0.29746 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR.		CIN. 0.02182 0.00283 0.0000 0.07399 0.01147 0.06826 0.03001 0.9911
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE	1.926C9 5.18130 4.14304 223.50547.5 3.60370 032.32593 2.57521 2.75652 4.02913 SIZE 15 ENT VARIAB ANALY	DEVIATION C. 68608 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 3 LE IS NOW NO (SIS OF VART LINEAR ATION	COFFF. 0. 60852 0. 22219 -0. 21895 -0. 0000 -0. 39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FOR THI REGRESSION D.F. SQ	DF         REC.FO           0.47557         0.45526           0.26407         0.00001           0.33877         0.020018           0.63858         0.24371           BLE         68           E         MULTIPLE           UM         OF           UARES         0	E. 7 VALUE 1.28018 0.43912 -0.56313 -1.16574 1.34233 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES	COP 4. COF 0.32372 C.12762 -0.21675 -0.14384 -0.29746 0.21975 0.21009 -0.17115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE		CIN. 0.02182 0.00283 0.0000 0.07399 0.01147 0.06826 0.03001 0.9911
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG	1.926C9 5.18130 4.14304 223.50547.5 3.60370 032.02593 2.57521 2.75652 4.02913 SIZE 13 SIZE 13 ENT VARIAB ANALY CE OF VARIA	DEVIATION C. 68608 0.73644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 3 LE IS NOW NO (SIS OF VART LINEAR ATION	COFFF. 0. 60852 0. 22219 -0. 21895 -0. 00300 -0. 39491 0. 0015 0. 51344 -0. 17758 TAI D. 6 ANCE FUR THI REGRESSION D. F. SQ 8 5	DF         REG. FO           0.47557         0.45426           0.26407         0.00001           0.33877         0.63858           0.63858         0.24371           BLE         68           E         MULTIPLE           UM         0F           UARES         94679	E. T VALUF 1.28010 0.43912 -0.62914 -0.56314 -1.16574 1.342/13 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335	COP4. COF 0.32372 C.12362 -0.21675 -0.14384 -0.29746 0.21975 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR.		CIN. 0.02182 0.00016 0.00283 0.00000 0.07399 0.01147 0.06826 0.03001 0.9911
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG	1.926C9 5.18130 4.14304 223.50547.5 3.60370 032.32593 2.57521 2.75652 4.02913 SIZE 15 ENT VARIAB ANALY	DEVIATION C. 68608 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FOR THI REGRESSION D.F. SI SQ 8 5 4 00	DF         REC.FO           0.47557         0.45526           0.26407         0.00001           0.33877         0.020018           0.63858         0.24371           BLE         68           E         MULTIPLE           UM         OF           UARES         0	E. 7 VALUE 1.28018 0.43912 -0.56313 -1.16574 1.34233 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES	COP 4. COF 0.32372 C.12762 -0.21675 -0.14384 -0.29746 0.21975 0.21009 -0.17115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE		0.9911
NO. 1 7 8 9 39 10 11 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG DEVIATION	1.92609 5.18130 4.14304 223.50547 5 3.60370 032.32593 2.57521 2.95652 4.02913 SIZE 13 SIZE 13 ENT VARIAB ANALY RES SION ABOUT REGRE	DEVIATION C. 68608 0.73644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 3 LE IS NOW NO (SIS OF VART LINEAR ATION TOTAL	COFFF. 0. 60852 0.22219 -0.21895 -0.0030 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FOR THI REGRESSION D.F. SQ 8 5 4 0 12 6	DF         REG. (n)           0.47557         0.4557           0.4557         0.45426           0.26407         0.33677           0.63858         0.24371           0.63858         0.24371           BLE         68           E         MULTIPLE           UM         0F           UARES         94679           0.5321         00000	E. 7 VALUE 1.28018 0.43912 -0.66318 -1.16574 1.28014 -0.56318 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330	COP4. COF 0.32372 C.12762 -0.21675 -0.14384 -0.29746 0.21975 0.21009 -0.17115 KEY 27 FFICIENT OF <u>TIPLE CORR.</u> F <u>VALUE</u> 55.8771		C.IN. 0.02107 0.00283 0.00000 0.07399 0.01147 0.06826 0.03001 0.9911 0.9956
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG DEVIATION VARTABLE	1.926C9 5.18130 4.14304 223.50547.5 3.60370 032.02593 2.57521 2.75652 4.02913 SIZE 13 SIZE 13 ENT VARIAB ANALY CE OF VARIA	DEVIATION C. 68608 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 3 LE IS NOW NO (SIS OF VART LINEAR ATION STD.	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FOR THI REGRESSION D.F. SQ 8 5 4 0 12 6 REG.	DF REG.CO 0.47557 0.45426 0.26407 0.00001 0.33677 C.00018 0.63858 0.24371 BLE 68 E MULTIPLE UM OF UARES 0.94679 05321 00000 SYD.ERROF	E. 7 VALUF 1.28018 0.43912 -0.62914 -0.56313 -1.16574 0.30403 -0.72863 25-50,000 COEL MUL MEAN SQUARES 0.01330	COP4. COF 0.32372 C.12362 -0.21625 -0.21625 -0.29746 0.21975 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE 55.8771		C.IN. 0.02187 0.00283 0.00283 0.00147 0.06826 0.03001 0.9911 0.9956 PROP. VAR
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE 3 DEPENDE SOUR DUE TO REG DE VIATION VARTABLE NO. 1	1.926C9 5.18130 4.14304 223.50547.5 3.60870 032.02593 2.57521 2.95652 4.02913 SIZE 13 SIZE 13 SIZE 13 CE OF VARIAB ANALY CE OF VARIA ABOUT REGRE	DEVIATION           C. £8608           0.73644           1.51908           57478.50225           1.07615           2029.29370           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.515 OF VARI           LINEAR           ATION	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FOR THI REGRESSION D.F. SQ 8 5 4 0 12 6 REG.	DF         REG. (n)           0.47557         0.4557           0.4557         0.45426           0.26407         0.33677           0.33677         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.24371         0.63858           0.94679         0.05321           0.00000         0.0000	E. 7 VALUE 1.28018 0.43912 -0.62914 -0.56313 -1.16574 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330	COP4. COF 0.32372 C.12762 -0.21675 -0.14384 -0.29746 0.21975 0.21009 -0.17115 KEY 27 FFICIENT OF <u>TIPLE CORR.</u> F <u>VALUE</u> 55.8771		C.IN. 0.02107 0.00283 0.00000 0.07399 0.01147 0.06826 0.03001 0.9911 0.9956
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG DEVIATION VARTABLE NO. 1 2	1.926C9 5.18130 4.14304 223.50547.5 3.60370 032.02593 2.57521 2.75652 4.02913 SIZE 15 SIZE 15 SIZE 15 ENT VARIAB ANALY CCE OF VARIA BOUT REGRE MEAN 1.61538 4.96231	DEVIATION           C. 68608           0.78644           1.51908           57478.50625           1.07615           2029.29370           0.63795           1.55149           1.20962           3           LE IS NOW NO           (SIS OF VAP I           LINEAR           ATION           SSICN           TOTAL           STD.           DEVIATION           0.04709	COFFF. 0. 60852 0.22219 -0.21895 -0.0030 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FÜR THI REGRESSION D.F. SU 8 5 4 00 12 6 REG. COEFF. -0.91074 0.61110	DF         REG.FO           0.47557         0.45426           0.26407         0.0001           0.33677         0.063857           0.638577         0.063758           0.24371         0.053857           0.63758         0.24371           BLE         68           E         MULTIPLE           UM         0F           0.6321         000000           STD.ERROF         0F           0.6325         0.0322	E. T VALUE 1.28018 0.49912 -0.56318 -0.56318 -1.16574 1.28019 -0.56318 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330 COMPUTED E. T VALUE -6.85027 7.25200	COP4. COF 0.32372 C.12362 -0.21675 -0.14384 -0.29746 0.21975 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE 55.8771 PARTIAL CORR. COE -0.95990 0.96399		0.02187 0.00283 0.0000 0.07399 0.01147 0.06826 0.03001 0.9956 PROP. VAR CUM. 0.0 0.37994
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG DEVIATION VARTABLE NO. 1 2 3	1.92609 5.18130 4.14304 223.505475 3.60370 032.32593 2.57521 2.05652 4.02913 SIZE 15 SIZE 15 SIZE 15 SIZE 15 CE OF VARIAB ANALY RESSION ABOUT REGRE MEAN 1.61538 4.96231 4.48230	DEVIATION C. 68608 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 COMPANY LEIS NOW NO (SIS OF VART LINEAR ATION CONTAL DEVIATION C. 88709 0.81937	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FÜR THI REGRESSION D.F. SI 0.5 4 0.8 5 4 0.9 8 5 4 0.9 12 6 REG. COEFF. -0.91074 0.61110 -0.92776	I)F         REG.(0)           0.47557         0.4557           0.47557         0.47557           0.47557         0.47557           0.26407         0.0001           0.33677         0.0001           0.33677         0.07858           0.24371         0.037858           0.24371         0.037858           0.24371         0.037858           0.24371         0.037858           0.24371         0.037858           0.24371         0.03827           0.5321         00000           STD. ERROR         0F           0F         RFG.CC           0.13295         0.08427           0.19877         0.19877	E. T VALUE 1.28018 0.43912 -0.66318 -0.56318 -1.16574 1.28018 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330 E. COMPUTED E. T VALUE -6.85027 7.25200 -4.66752	COP 4. COF 0.32372 C.12762 -0.21675 -0.14384 -0.29746 0.21975 0.21009 -0.17115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE 55.8771 		CIN. 0.02187 0.00283 0.00000 0.07399 0.01147 0.06826 0.03001 0.9956 PROP. VAR. CUM. 0.0 0.37994 0.11490
NO. 1 7 8 9 9 10 11 12 13 2 SAMPLE 2 SOUR DEPENDE SOUR DUE TO REG DEVIATION VARTABLE NO. 1 2 3	1.92609 5.18130 4.14304 23.50547 3.60370 032.32593 2.57521 2.95652 4.02913 SIZE 10 SIZE 10 SIZE 10 CE OF VARIAB ANALY CE OF VARIA ANALY CE OF VARIA ABOUT REGRE MEAN 1.61538 4.96231 4.48230 0745.46094 2	DEVIATION           C. 68608           0.78644           1.51908           57478.50625           1.07615           2029.29370           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.63795           1.55149           1.20962           0.707           0.81937           22886.03906	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FUR THI REGRESSION D.F. SI 8 0 12 6 REG. COEFF. -0.91074 0.61110 -0.92776 0.00003	I)F         REG.(0)           0.47557         0.45426           0.26407         0.0001           0.33677         C.02018           0.47858         0.24371           0.457858         0.24371           BLE         68           E         MULTIPLE           UM         0F           UARES         94679           005321         00000           SYD.ERROP         0F           0F         REG.CC           0.13295         0.08427           0.00000         000000	E. 7 VALUE 1.28018 0.43912 -0.62914 -0.56313 -1.16574 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330 COMPUTED E. T VALUE -6.85027 7.25200 -4.66752 7.60138	COP4. COF 0.32372 C.12362 -0.21625 -0.21625 -0.29746 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE 55.8771 PARTIAL CORR. COE -0.95990 0.96399 -0.96707		C.IN. 0.02187 0.00283 0.00207 0.07399 0.01147 0.06826 0.03001 0.9956 PROP. VAR CUM. 0.0 0.37994 0.11490 0.02915
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG DEVIATION VARIABLE NO. 1 2 7 20	1.92609 5.18130 4.14304 223.505475 3.60370 032.32593 2.57521 2.05652 4.02913 SIZE 15 SIZE 15 SIZE 15 SIZE 15 CE OF VARIAB ANALY RESSION ABOUT REGRE MEAN 1.61538 4.96231 4.48230	DEVIATION C. 68608 0.78644 1.51908 57478.50625 1.07615 2029.29370 0.63795 1.55149 1.20962 COMPANY LEIS NOW NO (SIS OF VART LINEAR ATION CONTAL DEVIATION C. 88709 0.81937	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FÜR THI REGRESSION D.F. SI 0.5 4 0.8 5 4 0.9 8 5 4 0.9 12 6 REG. COEFF. -0.91074 0.61110 -0.92776	I)F         REG.(0)           0.47557         0.4557           0.47557         0.47557           0.47557         0.47557           0.26407         0.0001           0.33677         0.0001           0.33677         0.07858           0.24371         0.037858           0.24371         0.037858           0.24371         0.037858           0.24371         0.037858           0.24371         0.037858           0.24371         0.03827           0.5321         00000           STD. ERROR         0F           0F         RFG.CC           0.13295         0.08427           0.19877         0.19877	E. T VALUE 1.28010 0.43912 -0.62914 -0.56313 -1.16574 1.34243 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330 COMPUTED E. T VALUE -6.85027 7.25200 -4.66752 7.60138 -6.99959	COP4. COF 0.32372 C.12362 -0.21675 -0.29746 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE 55.8771 PARTIAL CORR. COE -0.95990 0.96399 -0.96150		C.IN. 0.02187 0.00283 0.0000 0.07399 0.01147 0.06826 0.03001 0.9956 PROP. VAR CUM. 0.0 0.37994 0.16959
NO. 1 7 8 9 39 10 11 1 12 13 2 SAMPLE DEPENDE SOUR DUE TO REG DEVIATION VARTABLE NO. 1 2 3 7 20 8	1.926C9 5.18130 4.14304 223.50547 5 3.63870 032.32593 2.57521 2.95652 4.32913 SIZE 13 SIZE 13 SIZE 13 ENT VARIAB ANALY CE OF VARIA ANALY CE OF VARIA ANALY ANALY CE OF VARIA ANALY CE OF	DEVIATION           C. 68608           0.78644           1.51908           57478.50625           1.07615           2029.29370           0.63795           1.55149           1.20962           3           LE IS NOW NG           (SIS OF VARI           LINEAR           ATION           STD.           DEVIATION           0.96077           0.81937           22886.03906           1.60927	COFFF. 0. 60852 0.22219 -0.21895 -0.0000 -0.39491 0.0015 0.51344 -0.17758 TAI D. 6 ANCE FUR THI P.EGRESSION D.F. SI B 5 4 0 12 6 REG. COEFF. -0.91074 0.61110 -0.92776 0.00003 -0.67648	IF         REG.(0)           0.47557         0.45426           0.26407         0.0000           0.33677         C.02018           0.47858         0.24371           0.47858         0.24371           BLE         68           E         MULTIPLE           UM         0F           0.479         .05321           0.0000         .05821           0.0000         .013295           0.08427         0.19877           0.09665         .00000	E. 7 VALUE 1.28018 0.43912 -0.62914 -0.56313 -1.16574 0.30403 -0.72863 25-50,000 COE MUL MEAN SQUARES 0.74335 0.01330 COMPUTED E. T VALUE -6.85027 7.25200 -4.66752 7.60138	COP4. COF 0.32372 C.12362 -0.21625 -0.21625 -0.29746 0.21975 0.21009 -0.19115 KEY 27 FFICIENT OF TIPLE CORR. F VALUE 55.8771 PARTIAL CORR. COE -0.95990 0.96399 -0.96707		C.IN. 0.02187 0.00283 0.00207 0.07399 0.01147 0.06826 0.03001 0.9956 PROP. VAR CUM. 0.0 0.37994 0.11490 0.02915

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			TAE	SLE 69 2	5-50, 000	KEY 27		
SAMPL	E SIZE 1	3			COEF	FICIENT OF	DETERMINATION	0.8144
DEPEN	DENT VARIAE	BLE IS NOW NO	). 5				COEFFICIENT	0.9024
	ANAL	YSIS OF VARI		E MULTIPLE				
S(	DURCE OF VARI		PEGRESSION D.F. S	UM DF	MEAN	F		
			SQI	JARES	SQUARES	VALUE	<u>p</u>	
	REGRESSION		8 18 4 4	.16701 .14069	2.27088 1.03517	2.1937	<b>n.</b> s.	
			12 22	.30769				
VARIABLE				<u> </u>				
NO.	E MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR DF REG.COE	COMPUTED . T VALUE	PARTIAL CORR. COE	SUM OF SQ.	PROP. VAR. CUM.
1	1.61538	C.96077	1.37305	1.17277	1.17078	0.50520	1.33547	0.05987
3	<u> </u>	<u> </u>	<u>1.14090</u> 0.44384	0.74332	<u>1.53486</u> 0.25313	0.60881	0.41145	0.01844
i	20745.46094		-0.00003	0.00003	-0.92842	-0.42106	1.15969	0.10253 0.05199
8 9	2.61538	1.60927	0.54903	0.85253	0.64400	0.30650	4.97186	0.22288
10	<u>513,53833</u> 2,46153	<u>742.02246</u> 0.51350	-0.00276 -0.20873	<u>0.00150</u> 0.79275	<u>-1.84570</u> -0.26330	<u>-0.67819</u> -0.13052	<u>0.18222</u> 1.51507	0.00817
<u> </u>	1.46154	1.71345	0.84413	0.34207	2.46774	<u> </u>	6.30394	0.06792 0.28259
5	2.76923	1.36344						
			TAI	BLE 70 2		<b>KEY 27</b>		
SAMPL	E SIZE	3			COPP	FICIENT OF	DETERMINATION	0 7000
		BLE IS NOW NO	). 4				COEFFICIENT	0.7230 0.8503
		LYSIS OF VAPI	ANCE FOR TH	E PULTIPLE		I DD CORR.	COEFFICIENT	0.0000
	OURCE OF VAR		REGRESSION D.F. S	UM OF	MEAN	F		
			SQ	UARES	SQUARES	VALUE	ρ	
	PEGRES SION			.33829	0.54229	1.3054		_
DEVIATIO	UN ABOUT REGI	TOTAL		<u>•66171</u> •00000	0.41543		n.s	
•								
VARIABL NO.	E MEAN	STD. DEVIATION	REG. COEFF.	STD. ERROR	COMPUTED		SUM OF SQ.	PROP. VAR.
1	1.61538	C.96C77	-1.43853	<u>OF.REG,CNE</u> 0.74294	<u>E. T_VALUF</u> -1.93627	<u>CORR. COE</u> -0.69557	<u>. AOOED</u> 0.36111	<u>CUM.</u> 0.06019
2	4.96231	0.88709	0.17248	0.47089	0.36628	0.18014	0.35787	0.05964
3	4.48230	0.81937	-1.95971	1.11075	-1.76431	-0.66154	0.33071	0.05512
8	2.61538	22886. <u>C39C6</u> 1.60927	0.00004	0.00002	2.26539	<u> </u>	0.74712	0.12452
9	513.53833	742.02246	0.00192	0.00095	2.02144	0.71087	1.79410	0.29902
10	2.46153	C.51350	-0.03454	0.50220	-0.05878	-0.03437	0.06536	0.01089
<u>11</u>	<u> </u>	<u> </u>	-0.27076	0.21670	<u>-1.24951</u>	-0.52985	0.64855	A 1 A A A A
								0.10809
								0.10809
		-	TAI	BLE 71 2	5-50, 000	KEY 25		
SAMPL	E SIZE	.3	TAI	3LE 71 2		KEY 25		
	IDENT VARIAI	BLE IS NOW NO	). 6		COEF	KEY 25	DETERMINATION COEFFICIENT	0.8156
	IDENT VARIAI	BLE IS NOW NO	). 6 ANCE ENP TH		COEF	KEY 25	DETERMINATION	0.8156
DEPEN	IDENT VARIAI	BLE IS NOW NO	). 6 ANCE ENP TH PEGPESSION		COEF	KEY 25	DETERMINATION	0.8156
DEPEN	DENT VARIAL	BLE IS NOW NO	). 6 ANCE ENP THI <u>PEGPESSION</u> D.F. SO	MILTIPLE IM OF IARES	COEF MULT	KEY 25 FICIENT OF I TIPLE CORR.	DETERMINATION	0.8156
	NDENT VARIAI	BLE IS NOW NO	D. 6 ANCE ENP THI PEGPESSION D.E. SO SO 8 18	- MIIL T TPL - IM OF IARES 57022	COEF MULT	KEY 25 FICIENT OF 1 TIPLE CORR.	DETERMINATION COEFFICIENT	0.8156
	DENT VARIAL	BLE IS NOW NO YSIS OF VARI INTER ATTON	D. 6 ANCE ENP THI PEGPESSION D.E. SIO 6 8 18 4 4	MILTIPLE IM OF IARES	COEF MULT	KEY 25 FICIENT OF I TIPLE CORR.	DETERMINATION COEFFICIENT	0.8156
	NDENT VARIAI	BLE IS NOW NO YSIS OF VARI INTER ATTON	D. 6 ANCE ENP THI PEGPESSION D.E. SIO 6 8 18 4 4	- MIIL T TPL F IM NF IARES 57022 19902	COEF MULT	KEY 25 FICIENT OF I TIPLE CORR.	DETERMINATION COEFFICIENT	0.8156
	IDENT VARIAI ANAL DURCE OF VARI REGRESSION	BLE IS NOW NO           YSIS DE VARI           INFAR           INFAR           PESSION           TOTAL	D. 6 ANCE ENP THI <u>PERPESSION</u> D.E. <u>SOU</u> 8 18 4 4 12 22	MILT TPL F IM NF IARES 57022 19902 76924	COEF MULT MFAN SOHAPFS 2.32128 1.04976	KEY 25 FICIENT OF 1 TIPLE CORR.	DETERMINATION COEFFICIENT P	0. 8156 0. 9031
		STD. DFV14T10N	0. 6 ANCE ENP THI PEGPESSION 0. F. Sto F. Sto REC. COFFE.	MIIL T TPL F IM OF IARES 57022 19902 76924	COEF MULT MFAM SOHAPES 2.32120 1.04976	KEY 25 FICIENT OF I TIPLE CORR.	DETERMINATION COEFFICIENT P	0. 8156 0. 9031
	IDENT VARIAI ANAL DURCE OF VARI REGRESSION DN AROUT REGR F MEAN 1.61538	SLE IS NOW NO YSIS DE VARI I TNEAR ATTON DESCION TOTAL STD. DEVIATION 0.96077	0. 6 ANCE ENP THI <u>PERPESSION</u> 0.F. SI 8 19 4 4 12 22 REG. <u>COFFE.</u> -1.30573	MULTIPLE MARES 57022 19902 76924 STD.ERPOP OF PEG.COF 1.18100	COEF MULT MFAM SOHAPFS 2.32128 1.04976 	KEY 25 FICIENT OF I IPLE CORR. F VALUE 2.2113 PAPTIAL CORR. COF -0.48380	DETERMINATION COEFFICIENT p	0.8156 0.9031 PROP. VAR. CIM. 0.02402
	IDENT VARIAI ANAL DUSCE OF VARI REGRESSION IN AROUT REGE F. MEAN 1.61538 4.96231	SLE IS NOW NO YS15 DF VARI I TNEAR ATTON SESSION TOTAL STD. DFVIATION 0.96077 0.89709	D. 6 ANCE ENP THI <u>PERPESSION</u> D.F. SI 8 12 22 REC. COFEF. -1.30573 1.08357	MILTIPLE MILTIPLE MRES 57022 19902 76924 STD.FRPOP OF PEG.COF 1.18100 0.74854	COEF MULT MFAM SOHAPFS 2.32128 1.04976 COMPLITED . T VALUE -1.10561 1.44757	KEY 25 FICIENT OF 1 TPLE CORR. F VALUE 2.2113 PARTIAL CORR. COF -0.48380 C.58632	DETERMINATION COEFFICIENT p n.s. sliw nf sn. <u>Annen</u> 0.54701 0.26062	0.8156 0.9031 PROP. VAR. CIM. 0.02402 0.01145
DEPEN Sr DUF TO C DEVIATIO VARTARLO NO. 1 2 3 7	IDENT VARIAI ANAL DURCE OF VARI REGRESSION DN AROUT REGR F MEAN 1.61538	STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD.	0. 6 ANCE ENP THI <u>PERPESSION</u> 0.F. SI 8 19 4 4 12 22 REG. <u>COFFE.</u> -1.30573	MULTIPLE MARES 57022 19902 76924 STD.ERPOP OF PEG.COF 1.18100	COEF MULT MFAM SOHAPFS 2.32128 1.04976 	KEY 25 FICIENT OF I IPLE CORR. F VALUE 2.2113 PAPTIAL CORR. COF -0.48380	DETERMINATION COEFFICIENT 	0.8156 0.9031 PROP. VAR. CIM. 0.02402 r.01145 0.04587
DEPEN Sr DIF TO G DEVIATIO VARTARLA NO. 1 2 3 7 8	IDENT VARIAI ANAL DURCE OF VAR REGRESSION DN ARDUT REGR E MEAN 1.61538 4.96231 4.48230 20745.46094 2.61538	SLE IS NOW NO YSIS DE VARI I TNEAR INTION STD. DEVIATION 0.96077 0.89700 0.81937 22886.03906 1.60927	D. 6 ANCE ENP THI PEGPESSION 0.F. S(1) 8 13 4 4 12 22 REC. COFFE. -1.30573 1.08357 -2.61527 0.0005 -0.91767	MIN TTPL F MIN OF IARES 57022 19902 76924 STD. FRPOP OF PEG. COF 1.18100 0.74854 1.76569 0.00003 0.85851	COEF MULT MFAM SOHAPFS 2.32128 1.04976 	KEY 25 FICIENT OF 1 TIPLE CORR. VALUE 2.2113 PAPTIAL CORR. COF -0.48380 C.58632 -0.59514	DETERMINATION COEFFICIENT p n.s. sliw nf sn. <u>Annen</u> 0.54701 0.26062	0. 8156 0. 9031 PROP. VAR. CIM. 0.02402 0.01145
DEPEN Sr DIF TO F DFVIATIO VARTABLE NO. 1 2 3 7 R 9	IDENT VARIAI ANAL DURCE OF VAR REGRESSION DN ABOUT REGS E MEAN 1.61538 4.96231 4.96231 4.96231 20745.46094 2.61538 513.53833	STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD. STD.	$\begin{array}{c} 6 \\ ANCF FINP THIP PFGPESSION 0.F. SION R 10 4 4 12 22 RFC. COFFF1.30573 1.08357 -2.61527 0.90005 -0.91767 0.90192$	MINE TIPLE MINE TOPLE 57022 19902 76924 STD. FRPOP OF PEG.COF 1.18100 0.74854 1.76569 0.00003 0.85851 0.00151	COEF MULT SOUAPFS 2.32128 1.04976 2.32128 1.04976 1.04976 - 1.10561 1.44757 -1.49116 1.47453 1.47453 -0.95242 1.27525	KEY 25 FICIENT OF 1 PLE CORR. 2.2113 PAPTIAL CORR. COF -0.48380 C.58632 -0.59342 -0.42995 0.53764	DETERMINATION COEFFICIENT 	0.8156 0.9031 PROP. VAR. CIM. 0.02402 0.01145 0.04587 0.14501 0.05019 0.26036
DEPEN Sr DIF TO G DEVIATIO VARTARLA NO. 1 2 3 7 8	IDENT VARIAI ANAL DURCE OF VAR REGRESSION DN ARDUT REGR E MEAN 1.61538 4.96231 4.48230 20745.46094 2.61538	SLE IS NOW NO YSIS DE VARI I TNEAR INTION STD. DEVIATION 0.96077 0.89700 0.81937 22886.03906 1.60927	D. 6 ANCE ENP THI PERPESSION RFC. SOL 8 19 4 4 12 22 RFC. COFFE1.30573 1.08357 -2.61527 0.90192 -0.91767 0.90192 -1.43267	MIL TIPL F MIL TIPL F IM NF IARES 57022 19902 .76924 .76924 .76924 	COEF MULT MFAM SOHAPFS 2.32128 1.04976 COMPHITED . T VALUE -1.10561 1.44757 -1.49116 1.47453 -0.95242 1.27525 -1.79463	KEY 25 FICIENT OF 1 IPLE CORR.	DETERMINATION COEFFICIENT n.s. <u>Annen</u> 0.54701 0.26062 1.04448 3.75723 1.14287 5.92824 5.19251	0.8156 0.9031 0.9031 0.02402 0.01145 0.04587 0.14501 0.05019 0.25036 0.22805
DEPEN Sr DIIF TO C DEVIATIO VARTABLE NO. 1 2 3 7 8 -9 10	IDENT VARIAI ANAL DURCE OF VARI REGRESSION DN AROUT REGO MEAN 1.61538 4.96231 4.48230 20745.46094 2.61538 513.53833 2.46153	SLE IS NOW NO YSIS DE VARI I TNEAR ATTON SESSION TOTAL DEVIATION 0.96077 0.89709 0.81937 22886.03906 1.60927 742.02246 0.51350	$\begin{array}{c} 6 \\ ANCF FINP THIP PFGPESSION 0.F. SION R 10 4 4 12 22 RFC. COFFF1.30573 1.08357 -2.61527 0.90005 -0.91767 0.90192$	MINE TIPLE MINE TOPLE 57022 19902 76924 STD. FRPOP OF PEG.COF 1.18100 0.74854 1.76569 0.00003 0.85851 0.00151	COEF MULT SOUAPFS 2.32128 1.04976 2.32128 1.04976 1.04976 - 1.10561 1.44757 -1.49116 1.47453 1.47453 -0.95242 1.27525	KEY 25 FICIENT OF 1 PLE CORR. 2.2113 PAPTIAL CORR. COF -0.48380 C.58632 -0.59342 -0.42995 0.53764	DETERMINATION COEFFICIENT 	0.8156 0.9031 0.9031 0.02402 0.01145 0.04587 0.16501 0.05019 0.26036

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#### TABLE 72 25-50,000 **KEY 25**

COEFFICIENT OF DETERMINATION 0.5314 MULTIPLE CORR. COEFFICIENT 0.7290

SAMPLE SIZE 13		
DEPENDENT VARIABLE IS	S NOW NO. 5	
ANALYSIS	UP VARTANCE FOR	THE MULTIPLE

	REGPES	S Į ON				
SCHIPCE OF VARIATION	n.F.	SOUAPES	MEAN	F VAL!!F	р	
DUE TO REGRESSION	A 4	1.55341	0.19418	0.5671	n.s.	
TOTAL	12	2.92308	<u></u>			

VARTARLE	YFAN	STO.	REG.	STD.FRROR	CUMBITED	PAPTIAL	SIM OF SQ.	PROP. VAR
NO.		PEVIATION	COFFE.	OF PEG,COF,	TVALIE	CUBB CUE	VUUEU	C11M,
1	1.61538	0.96077	-0.58754	0.67450	-0.87107	-0.39930	0.03419	0.01170
2	4.96231	0.88709	0.41240	0.42751	0.96464	0.43442	0.24497	0.08380
3	4.48230	0.81937	-0.80041	1.00844	-0.79372	-0.36987	0.10033	0.03432
7	20745.46094	22886.03906	0.00001	0.00002	0.79422	0.36907	0,00042	0.00014
8	2.61538	1.60927	-0.45442	0.49032	-0.92678	-0.42044	0.41021	0.14034
9	513.53833	742.02246	0.00039	0.00086	0.45979	0.22358	0.47368	0.16205
10	2.46153	0.51350	0.37848	0.45594	0.83010	0.39334	0.28751	0.09836
11	1.46154	1.71345	-0.01537	0.19674	-0.07814	-0,03904	0.00209	0,00071
5	3.92308	0.49355						

**KEY 25** TABLE 73 25-50,000

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 4

COEFFICIENT OF DETERMINATION 0.9478 MULTIPLE CORR. COEFFICIENT

ANALYSTS OF VAPIANCE FOR THE MULTIPLE LINEAR REGRESSION

SOUPCE OF VARIATION	n.F.		MEAN	F	· · ·	
		SOUARES	SOLAPES	VALUE	<u>р</u>	
DUE TO REGRESSION	8	2.91639	0.36455	9.0706		
DEVINTION ABOUT REGRESSION	4	0,16076	0,04019		<.05	
TOTAL	12	3.07715				

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VARTABLE	MEAN	STO. DEVIATION	REG.	STD. FPPDP OF REG.COE.		PARTIAL CORP. COF.	SUM OF SO.	PROP. VAP.
1	1.61538	0.96077	-0.52582	0.23108	-2.27548	-0.75111	0.85471	0.27776
2	4,96231	0.88709	0.64907	0,14546	4.43126	0.91146	0.22209	0.07217
3	4.48230	0.81937	-1.26556	0.34549	-3.66313	-0.87770	0.09649	0.03136
7	20745.46094	22886.03906	0.00003	0.00001	4.80257	0.92315	0.69602	0.22619
8	2.61538	1.60927	-0.57213	0.16798	-3.40591	-0.86231	0.56491	0.18758
9	513.53833	742.02246	0.00052	0.00029	1.76757	0.66222	0.44813	0.14563
10	2.46153	0.51350	-0.10136	0.15620	-0.64997	-0.30859	0.02815	0.00915
. 11	1.46154	1,71345	0,02573	n,06740	0.38179	0.18751	0.00586	0.00190
4	4.61538	0.50639	•				·•	

TABLE 74 25-50,000 **KEY 24** 

#### COEFFICIENT OF DETERMINATION 0.7580 SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 6 ANALYSIS OF VARIANCE FOR THE MULTIPLE I INFAP PEGRESSION 0.8707 MULTIPLE CORR. COEFFICIENT SIIM DE MFAN SOMPLE OF VARIATION D.F. F VALIT SOHAPES SOUARES р DUE TO REGRESSION.... DEVIATION AROUT REGRESSION.... TOTAL... 3.84849 A 0.48106 1.5664 1.22845 0.30711 n.s. 4 12 5.07693

VARTARLE	MEAN	STD.	RFG.	STD.FPPOP	COMPHTED	ΡΛΡΤΙΛΙ	SIM DE SO.	PROP. VAP
NO.		DEVIATION	COFFF.	OF REG.COE.	T VALUE	COPP. COF.	ADDED	CUM.
1	1.61538	0,96077	-0.06602	0.63878	-0.10335	-0.05161	0.10470	0.02062
2	4.96231	0.88709	0.20130	0.40487	0.49718	0.24125	0.41747	0+08223
3	4.48230	0.81937	0.14599	0.95503	0.15286	0.07620	0.06155	D+01212
7	20745.46094	22886.03906	0.0002	0.00002	1.19822	0.51394	0.99800	0.19658
8	2.61539	1.60927	-0.13578	0.46436	-0.29240	-0.14466	1.47440	0.29041
9	513.53833	742.02246	-0.00058	0.00082	-0.71449	-0.33642	0.09877	0.01945
10	2.46153	0.51350	-0.33945	0.43179	-0.78613	-0.36582	0.43257	0.08520
. 11	1.46154	1.71345	0.17177	0.18632	0.92194	0.41963	0.26104	0.05142
6	4.38461	0.65044						

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0.9735

## TABLE 75 25-50,000 KEY 24

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DEPE	NDENT VARIAE	ALE IS NOW M	0 5		\$ /	FFICIENT OF	00	
2.51.2	ANAI	AZIZ UE AVOL	Ο, 3 Δ ¹ /ΓΕ ΕΩΩ Τι		MUL	TIPLE CORR.	COEFFICIENT	0.9542
		<u>I INFAR</u>	REGRESSION					
```	DURCE OF VART	ΔΤΙΟΝ		ILIM OF	MEAN	F		
	PEGPESSION			HARES	SQIIAPES	VALIE	ρ	
FVIATI	ON ABOUT REGR	FSSION		.45386	7.05673	5.0895		
				• 00000	1.39654		n.s	
ARTARL	F MEAN							
NO.		OFVIATION	PER.	570 FRRDR			SIM OF SO.	PROP. VA
1	1.61538	0.96077	1.69097	05 856.00				ŢIJM.
2	4.96231	N.88709	2.50299	0.86028	1.24577	0.52870	9. <u>02777</u>	0.1456
3	4.48230	0.81937	-1.77236	2.02925	-0.97341	<u>0.82400</u> -0.40020	<u> </u>	0.0030
7	20745.46094	22886.03906	-0.00004	0.00004	-1.12939	-0.49171	29.36279	0.4735
A	2.61538	1.60927	0.51079	0.98666	0.51770	0.25058	4.13043	0.0666
9	513.53833	742.02246	-0.00177	0.00173	-1.02022	-0.45439	0.75662	0.0122
10	2.46153	0.51350	-1.50430	0.91747	-1.63961	-0.63398	0.32590	0.0052
<u> </u>	1.46154	1.71345	0.71184	0.39580	1.79809	0.66857	8.17617	0.1319
5	3.00000	2.27303					4.4824/	0,0723
				BLE 76	25-50,000	KEY 24		
	•				20 00,000	ACI 61		
	LE SIZE 1				COEF	FICIENT OF	DETERMINATION	0.8026
DEPEN	NDENT VARIAB	LE IS NOW NO	). 4		MULT	TIDLE CODD	COEFFICIENT	
		VSTS OF VADI			MODI	IFDE CORR.	COEFFICIENT	0.8959
		· · · · · · · · · · · · · · · · · · ·	3.12 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F MIN TTOLE				
		TINEAR O	PEGRESSION	r miń rotz				
<u> </u>	NINCE OF VANT	TULAR O	PEGRESSION		MF AN			
	UNDE DE VART	TTON O	P.F. S		MEAN		 D	
UE TO	REGRESSION		PFGPFSSION -F. S <u>SQ</u> A 35			F VAL11F 2.0335	ρ	
UE TO	UNDE DE VART		PEGPESSION D.F. S <u>S</u> R 35 4 R	11M OF 11APES • 31622 • 68378	CONADEC	VALHE	p	
UE TO	REGRESSION		PEGPESSION D.F. S <u>S</u> R 35 4 R	11M OF 11APES • 31622	CQ11ADEC 4.41453	VALHE		
	NINCE OF VANT		PEGPESSION D.F. S <u>S</u> R 35 4 R	11M OF 11APES • 31622 • 68378	CQ11ADEC 4.41453	VALHE		
	NINCE OF VANT		0FC0FSSION 0.F. SQ R 35 4 R 12 44 	114 OF 114PES •31622 •68378 •00000	COMPUTED	2.0335 PAPTIAL	0.s. <	DRUD. VA
UE TO E EVIATIO ARTARLO	PURCE OF VANT	INFAR           ATION           TOTAL           STD.           DEVIATION	PEC. PEC. PEC. COFF.	114 OF 1149 FS • 31672 • 68378 • 00000 • 00000 • 00000 • 00000	COMPRISED 4.41453 2.17094 COMPRISED 5. T.VALUE	PAPTIAL	0.s. <	۲۹۹۵ - ۲۹۹ ۲۹۹۰ - ۲۹۹۰
	PURCE OF VAOT REGOESSTON ON ARIVIT REGO F MEAN 1.61538	<u>ξ ΤΝΓΑΡ</u> ΔΤΙΠΝ <u>Γ ΤΠΤΑΙ</u> <u>ΥΠΤΑΙ</u> <u>Γ</u> Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ	DFROFSSINN D.F. S CO R 35 4 R 12 44 PFR. COLFF. 0.00799	IM OF IIAPES .31622 .68378 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .000000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .0000000 .00000 .00000 .000000 .000000 .000000 .000000 .000000 .000000 .000000 .000000 .000000 .000000 .00000000	CONTRACT 4.41453 2.17094 COMPRITED . T.VALUE 0.09470	PAPTIAL 0.00235	0.s.	ÇUN.
	PURCE OF VART REGRESSTON ON ARIVIT REGR F 46AN 1.61538 4.96231	<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	PEROPESSION           D.F.         SQ           R         35           4         R           12         44           PEG.         COFFE.           0.00793         1.54802	IM OF 11APES .31622 .68378 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .000000 .00000 .000000 .000000 .000000 .00000000	COMPRES 4.41453 2.17094 COMPRES 	PAPTIAL COPR. FOF 0.00235 0.58379	0.s. <u>SIIM OF</u> 50. <u>ADOFO</u> 5.77777 3.03644	<u>CUN</u> 0.1313
11E TO EVIATIO ARTARLO NO. 1	PURCE OF VACT REFORESSTON ON ABUUT PECOL E 46AN 1.61538 4.96231 4.48230	<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	PEROPESSION           D.F.         SQ           R         35           4         R           12         44           PEG.         CONFE.           0.0799         1.54802           -2.03165         -2	IM (F 11APES .31672 .68378 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .000000 .000000 .000000 .000000 .000000 .000000 .0000000 .00000000	COMPHTED 4.41453 2.17094 COMPHTED . TVALUE 0.00470 1.43807 -0.90012	PAPTIAL PAPTIAL COPR. COF. 0.00235 0.58379 -0.37144	0.5. SIIM DF 50. ADDED 5.77777 3.03644 2.45574	0.1313 0.0690
11E TO EVIATIO ARTABLO NO. 1 -2 -3	PURCE OF VART REFORESSTON ON ABUUT PECO E 461538 4.96231 4.48230 20745.46094	INFAR           ATION           TOTAL           TOTAL           STD.           PECTATION           N=96077           0.88709           0.81937           22886.03906	PEROPESSION           D.F.         SQ           R         35           4         R           12         44           PEG.         OFFF,           0.00799         1.54802           -2.03165         -0.00002	IM OF IIAPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 .07646 .07646 .07646	COMPRITED 4.41453 2.17094 COMPRITED T.VALUE 0.09470 1.43807 -0.90012 -0.38072	PAPTIAL PAPTIAL COPR. COF. 0.00235 0.58379 -0.37144 -0.18700	0.s. SIIM OF 50. ADOFO 5.77777 3.03644 2.45574 1.54005	CU4 0.1313 0.0690 0.0558 0.0350
11E TO EVIATIO ARTARLI NO. 1 2 3 7	PURCE OF VACT REFORESSTON ON ABUUT PECO E 46AN 1.61538 4.96231 4.48230	INFAR           ATION           TOTAL           TOTAL           NEVIATION           NºEVIATION           NºEVIATION           NºEVIATION           O.81937           22886.03905           1.60927	PEROPESSION           0. F.         SC           0. A         35           4         R           12         44           PEC.         CONFE.           0. NO799         1.54802           -7.03165         -0.01007           -0.19869         -0.19869	IM OF IMPES • 31672 • 68378 • 00000 • 70. 58609 0. 69836 1.97646 2.53919 0.0005 1.73460	COMPRISE 4.41453 2.17094 COMPRISE 2.17094 COMPRISE 0.00470 1.43807 -0.90012 -0.38072 -0.16094	PAPTIAL PAPTIAL COPR. COF. 0.00235 0.58379 -0.37144 -0.18700 -0.08021	0.s. SIIM OF 50. ADDFO 5.77777 3.03644 2.45574 1.56005 1.30631	CU4. 0.1313 0.0690 0.0558 0.0350 0.0296
11E TO 1 EVIATIO ARTARLO NO. 1 -2 -3 -7 -9	E 4538 4.48231 20745.4604 2.61538	INFAR           ATION           TOTAL           TOTAL </td <td>PEROPESSION           Contraction           Contraction</td> <td>IM OF IMPES .31622 .68378 .00000 .00000 .00000 .00000 .69836 1.07646 2.53919 0.00005 1.23460 0.00217</td> <td>COMPRITED 4.41453 2.17094 COMPRITED 5. T.VALUE 0.09470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266</td> <td>PAPTIAL PAPTIAL CORR, COF 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538</td> <td>0.s. SIIM DE 50. ADDED 5.77777 3.03644 2.45574 1.54055 1.30631 9.63663</td> <td><u>     [14</u>     0.1313     0.0690     0.0558     0.0350     0.0296     0.2190</td>	PEROPESSION           Contraction	IM OF IMPES .31622 .68378 .00000 .00000 .00000 .00000 .69836 1.07646 2.53919 0.00005 1.23460 0.00217	COMPRITED 4.41453 2.17094 COMPRITED 5. T.VALUE 0.09470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266	PAPTIAL PAPTIAL CORR, COF 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538	0.s. SIIM DE 50. ADDED 5.77777 3.03644 2.45574 1.54055 1.30631 9.63663	<u>     [14</u> 0.1313     0.0690     0.0558     0.0350     0.0296     0.2190
11F TO 1 EVIATIO ARTARL NO. 1 	E WEAN 1.61538 4.96231 20745.46094 2.61538 513.53833	INFAR           ATION           TOTAL           TOTAL           NEVIATION           NºEVIATION           NºEVIATION           NºEVIATION           O.81937           22886.03905           1.60927	PEROPESSION           0. F.         SO           R         35           4         R           12         44           PER.         COFFE.           0.00799         1.54802           -2.03165         -0.00002           -0.19869         -0.00100           0.33195         -0.33195	IM OF IIAPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .23460 .00017 .14803	COMPRES 4.41453 2.17094 COMPRES 2.17094 COMPRES 0.00470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266 0.28915	PAPTIAL PAPTIAL COPR. COF 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538 0.14309	0.s. 511M DF 50. ADDFD 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.62291	<u> </u>
11F TO EVIATIO ARTARL NO. 1 2 3 -7 9 9	E MEAN 1.61538 4.48230 20745.46094 2.61538 313.53833 2.46153	<u>     (INFAR</u> (ATTON     (ATT	PEROPESSION           Construction	IM OF IMPES .31622 .68378 .00000 .00000 .00000 .00000 .69836 1.07646 2.53919 0.00005 1.23460 0.00217	COMPRITED 4.41453 2.17094 COMPRITED 5. T.VALUE 0.09470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266	PAPTIAL PAPTIAL CORR, COF 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538	0.s. SIIM DE 50. ADDED 5.77777 3.03644 2.45574 1.54055 1.30631 9.63663	<u> </u>
IIE TO EVIATIO ARTARLI NO. 1 2 3 7 9 10 11	E 45 AN 1.61538 4.48230 20745.46094 2.61538 3.2.46153 1.46154	<u> </u>	PEROPESSION           0. F.         SO           R         35           4         R           12         44           PER.         COFFE.           0.00799         1.54802           -2.03165         -0.00002           -0.19869         -0.00100           0.33195         -0.33195	IM OF IIAPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .23460 .00017 .14803	COMPRES 4.41453 2.17094 COMPRES 2.17094 COMPRES 0.00470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266 0.28915	PAPTIAL PAPTIAL COPR. COF 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538 0.14309	0.s. 511M DF 50. ADDFD 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.62291	<u> </u>
IIE TO EVIATIO ARTARLI NO. 1 2 3 7 9 10 11	E 45 AN 1.61538 4.48230 20745.46094 2.61538 3.2.46153 1.46154	<u> </u>	PEROPESSION           Contract	IM ()F IIAPFS • 31672 • 68378 • 00000 • 70, 59809 0, 69836 1.97646 2.53919 0,0005 1.73460 0.00217 1.14803 0.49537	COMPRES 4.41453 2.17094 COMPRES 2.17094 COMPRES 0.00470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266 0.28915	PAPTIAL PAPTIAL COPR. COF 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538 0.14309	0.s. 511M DF 50. ADDFD 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.62291	<u> </u>
ULE TO EVIATIO ARTARLO NO. 1 2 3 - 7 9 9 10 11 4 SAMPI	E MEAN 1.61538 4.96231 4.48230 20745.46094 2.61538 513.53833 2.46153 1.46154 3.00000	<u>     (INFAR</u> (ATTION	PEROPESSION           CO           R         SC           R         35           4         R           12         44           PEROPERTY         CONTERNATION           1.54802         -2.03165           -0.0000790         1.54802           -0.19869         -0.0000           0.33195         1.11203           TA	IM ()F IIAPFS • 31672 • 68378 • 00000 • 70, 59809 0, 69836 1.97646 2.53919 0,0005 1.73460 0.00217 1.14803 0.49537	COMPLETE 4.41453 2.17094 COMPLETE 5. T.VALUE 0.00470 1.43807 -0.90012 -0.39072 -0.46286 0.28915 2.24485 25-50,000	VAL +1F 2.0335 2.0335 0.00235 0.58379 -0.37144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23	0.s. SIIM DE 50. ADDED 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.62791 10.94065	<u>ru</u> 0.1313 0.0558 0.0558 0.0350 0.0796 0.2190 0.0141 0.2486
ARTARLI NO. 1 -2 -3 -7 -9 -10 -11 -4 SAMPI	E MEAN 1.61538 4.96231 4.48230 20745.46094 2.61538 513.53833 2.46153 1.46154 3.00000	<u>     (INFAR</u> (ATTION	PEROPESSION           CO           R         SC           R         35           4         R           12         44           PEROPERTY         CONTERNATION           1.54802         -2.03165           -0.0000790         1.54802           -0.19869         -0.0000           0.33195         1.11203           TA	IM ()F IIAPFS • 31672 • 68378 • 00000 • 70, 59809 0, 69836 1.97646 2.53919 0,0005 1.73460 0.00217 1.14803 0.49537	COMPRITED 4.41453 2.17094 COMPRITED 5. T.VALUE 0.00470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266 0.28915 2.24485 25-50,000 COEF	VAL 11F 2.0335 2.0335 0.00235 0.00235 0.58370 -0.37144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF 1	0.5. 5114 OF 50. ADDED 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.67291 10.94045 DET ERMINATION	Cuw, 0.1313 0.0690 0.0556 0.0350 0.0796 0.2190 0.9141 0.2486
ULE TO EVIATIO ARTARLO NO. 1 2 3 - 7 9 9 10 11 4 SAMPI	E WEAN 1.61538 4.96231 4.48230 20745.46094 2.61538 513.53833 2.46153 1.46154 3.00000 LE SIZE 11 VDENT VARIAB	LE IS NOW NC	PERCEPSSION           0.F.         SC           R         35           4         R           12         44           PEG.         COFFE.           0.00799         1.54802           -2.03165         -0.0000           -0.19869         -0.00100           0.33195         1.11203           TA         C.           0.         6	IM OF IIAPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 .69836 .07646 2.53919 .00005 1.73460 .73460 .73460 .0017 1.14803 .49537 BLE 77	COMPRITED 4.41453 2.17094 COMPRITED 5. T.VALUE 0.00470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266 0.28915 2.24485 25-50,000 COEF	VAL 11F 2.0335 2.0335 0.00235 0.00235 0.58370 -0.37144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF 1	0.s. SIIM DE 50. ADDED 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.62791 10.94065	<u>ru</u> 0.1313 0.0558 0.0558 0.0350 0.0796 0.2190 0.0141 0.2486
IIF TO EVIATION ARTARLI NO. 1 2 3 7 9 10 11 4 SAMPI DEPEN	E 461538 4.96231 4.48230 2.61538 513.53833 2.46153 1.46154 3.00000 LE SIZE 1: WDENT VARIAB ANALY	Ι ΙΝΓΑΡ           ΔΤΙΠΝ           ΔΤΙΠΝ           ΤΠΤΑΙ.           ΥΠΤΑΙ.           Π.90.	PERCEPSSION           0. F.         SC           R         35           4         R           12         44           PEG.         COFFF.           0.00799         1.54802           -2.03165         -0.0007           -0.19869         -0.00100           0.33195         1.11203           TA         Constant           0.6         AMORE END TH	IM OF IIAPES .31622 .68378 .00000 .00000 .00000 .00000 	COMPRES 4.41453 2.17094 COMPRES 0.00470 1.43807 -0.90012 -0.90012 -0.38072 -0.16094 -0.46266 0.28915 2.24485 25-50,000 COEF MULT	VAL 11F 2.0335 2.0335 0.00235 0.00235 0.58370 -0.37144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF 1	0.5. 5114 OF 50. ADDED 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.67291 10.94045 DET ERMINATION	Cuv 0.1313 0.0690 0.0556 0.0350 0.0796 0.2190 0.01410 0.2486
AR TARL AR TARL NO. 1 2 3 7 9 10 11 4 SAMPI DEPEN	E WEAN 1.61538 4.96231 4.48230 20745.46094 2.61538 513.53833 2.46153 1.46154 3.00000 LE SIZE 11 VDENT VARIAB	Ι ΙΝΓΑΡ           ΔΤΙΠΝ           ΔΤΙΠΝ           ΤΠΤΑΙ.           ΥΠΤΑΙ.           Π.90.	PEROFISION           0. F.         SC           4         R           12         44           12         44           PER.         For FF.           0. n0799         1.54805           1.54805         -0.00100           0.33195         1.11203           TA         TA           0. 6         AMORE END TH           SECORESSION         SECORESSION	IM OF IMPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 1.69836 1.07646 2.53919 0.00017 1.23460 0.00217 1.14803 0.49537 BLE 77 E MIN TIDIE	COMPRITED 4.41453 2.17094 COMPRITED 5. T.VALUE 0.00470 1.43807 -0.90012 -0.38072 -0.16094 -0.46266 0.28915 2.24485 25-50,000 COEF	VAL 11F 2.0335 2.0335 0.00235 0.00235 0.58370 -0.37144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF 1	0.5. 5114 OF 50. ADDED 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.67291 10.94045 DET ERMINATION	0.1313 0.0690 0.0556 0.0350 0.0796 0.2190 0.01416 0.2486
ARTARLI ARTARLI NO. 1 2 3 7 9 9 10 11 4 SAMPI DEPEN	E MEAN 1.61538 4.96231 4.48230 20745.46094 2.61538 513.53833 2.46153 1.46154 3.00000 LE SIZE 1: NDENT VARIAB ANALY DUPCE OF VARIA	ΙΝΓΑΡ           ΔΤΙΠΝ           ΤΠΤΑΙ.	PEROPESSION           COMMENSION           C	IM OF IMPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .23460 0.00017 1.14803 0.49537 BLE 77 BLE 77	COMPRES 4.41453 2.17094 COMPRES COMPRES COMPRES COMPRES COMPRES COMPRES COMPRES COMPRES COMPRES COMPRES COMPRES	VAL 115 2.0335 2.0335 2.00235 0.00235 0.58379 -0.37144 -0.18700 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF I TIPLE CORR.	0.5. 5114 OF 50. ADDED 5.77777 3.03644 2.45574 1.54005 1.30631 9.63663 0.67291 10.94045 DET ERMINATION	CUM 0.1313 0.0690 0.0556 0.0350 0.0796 0.2190 0.01410 0.2486
ARTARLI NO. 1 -2 -3 -7 -9 -10 -11 -4 SAMPI DEPEN	E 461538 4.96231 4.48230 2.61538 513.53833 2.46153 1.46154 3.00000 LE SIZE 1: WDENT VARIAB ANALY	[ ΙΝΓΑΡ           ΔΤΙΠΝ           ΤΠΤΑΙ           ΥΠΤΑΙ           ΟΤΑΙ           Π.96077           - 887/09           - 81937           22886. Π39/6           - 1.660927           742. 02246           - 51350           - 71345           - 1.91485           - 3           - 4.91485           - 4.91485           - 4.91485	PERCEPSSION           CO           R         SC           R         35           4         R           12         44           PERC.         COUNTRY           12         44           PERC.         COUNTRY           12         44           PERC.         COUNTRY           1.54802         PERC.           -0.000799         1.54802           -0.00007         PERC.           PERC.         PERC. <t< td=""><td>IM OF IMPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 1.69836 1.07646 2.53919 0.00017 1.23460 0.00217 1.14803 0.49537 BLE 77 E MIN TIDIE</td><td>COMPRES 4.41453 2.17094 COMPRES COMPRES T VALUE 0.00470 1.43807 -0.90012 -0.90012 -0.38072 -0.16094 -0.46266 0.28915 2.24485 25-50,000 COEF MULT</td><td>VAL 115 2.0335 2.0335 2.008. [05] 0.00235 0.0235 0.037144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF I TIPLE CORR.</td><td>0.5. CIIM OF 50. ADDED 5.77777 3.03644 2.45574 1.30631 9.63663 0.62291 10.94045 DETERMINATION COEFFICIENT</td><td>Cuw, 0.1313 0.0690 0.0556 0.0350 0.0796 0.2190 0.9141 0.2486</td></t<>	IM OF IMPES .31672 .68378 .00000 .00000 .00000 .00000 .00000 1.69836 1.07646 2.53919 0.00017 1.23460 0.00217 1.14803 0.49537 BLE 77 E MIN TIDIE	COMPRES 4.41453 2.17094 COMPRES COMPRES T VALUE 0.00470 1.43807 -0.90012 -0.90012 -0.38072 -0.16094 -0.46266 0.28915 2.24485 25-50,000 COEF MULT	VAL 115 2.0335 2.0335 2.008. [05] 0.00235 0.0235 0.037144 -0.18700 -0.08021 -0.22538 0.14309 0.74666 KEY 23 FICIENT OF I TIPLE CORR.	0.5. CIIM OF 50. ADDED 5.77777 3.03644 2.45574 1.30631 9.63663 0.62291 10.94045 DETERMINATION COEFFICIENT	Cuw, 0.1313 0.0690 0.0556 0.0350 0.0796 0.2190 0.9141 0.2486

<u>NO,</u>	₩F AN	STD. <u>OFVIATION</u>	DEC.	STN. FRRNR NF. REG.COF.	COMPLITED T VALUE	PAPTTAI	SHIM OF 50.	PPOP. VAP.
2	1.61539	0.88709	-0.21379 3.90791	0.89086	-0.23000	-0.11916	2 • 32693	0.02612
		22886 03906	-4.18762	1+33190	-3.14409	-0.84377	31.19734	0.35073
A 9	2.61539 513.53833	1.60927 	-0.66124 -0.00183	0.64760	-1.60878	-0.45473	14.07621	0.15802
	2.46153 <u>1.46154</u> 3.61538	0.51350 <u>1.71345</u> 2.72453	-2.10431 <u>1.34504</u>	0.60719	-3.49446	-0.86791 0.93280	19.27891	0.21643

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#### TABLE 78 25-50,000

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS DE VARIANCE FOR THE HILTIDIE COEFFICIENT OF DETERMINATION 0.6861 MULTIPLE CORR. COEFFICIENT 0.8283

**KEY 23** 

LINEAR	DELBEC	S T DN				
SUINCE NE VARIATION	0.F.	STIM OF	MEAN	F		
		SOUNDES	SUITADES	VATHE	Ρ	
NIE TO RECPESSION	Ą	3.37772	0.42772	1.0928		
DEVIATION ABOUT REGRESSION	4	1.54537	0.39634		<u>n.s.</u>	
TUTVI	12	4.92310				

VARIAPLE	MFAN	<pre>&lt;</pre>	RFG.	«TD.roono	CUMBILLEU	PARTIAL	SIM OF 50.	PROP. VAR.
NO.		DEVIATION	COEFF.	DE PEG.COF.	TVALIE	CUBB CUE	ADDED	CUM.
1	1.61538	0.96077	-0.57338	0.71646	-0.80030	-0.37151	0.17308	0.03516
2	4.96231	0.88709	0.90649	0.45411	1.77599	0.66399	0.02309	0.00469
3	4.48230	0.81937	-1. 24662	1.07117	-1.16380	-0.50295	1.08166	0.21971
7	20745.46094	22886.03906	0.00000	0,00002	0.16758	0,08350	0.09774	0.01985
R	2.6153R	1.60927	-0.27196	0.52092	-0.52217	-0.25262	0.20605	0.04185
9	513.53R33	742.02246	0.00072	0.00091	0,78281	0.36449	0.41850	0.08501
10	2.46153	0.51350	-0.77451	0.49430	-1.59924	-0.62452	1.32279	0.26869
_11	1.46154	1.71345	<u>0,07870</u>	0.20997	0 <u>,3765</u> 0	0,18504	0.054R0	0.01113
<u>s</u>	4.92308	0.64051						

TABLE 79 25-50,000 **KEY 23** 

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 4 COEFFICIENT OF DETERMINATION 0.7366 MULTIPLE CORR. COEFFICI

IENT	0.8582

1180-36	HEIGHEN	21110				
SUIRCE OF VARIATION	n.F.	CITA UE	MCAN	F		
		SUIVAES	C ÚTIVA E C	VALOF	P	
DUE TO REGRESSION	A	6.11941	0.76493	1.3091		
DEVIATION ABOUT REGRESSION	4	<u>⇒.1</u> 8846	0.54711		n.s	
TOTAL	12	A.30786				

VARTARLE	MEAN	¢T0.	PFG.	CID EDGUD	COMPITEO	PAPTIAL	CHA UE CU.	PROP. VAR.
<u>NO</u>		DEVIATION	COFFF.	DE PEC.COF.	T VALUE	COPP. COF.	ADDEO	CIIM.
1	1.61538	0,96077	-0.47420	0.85260	-0.55619	-0.26793	1.55768	0.18750
2	4.96231	0.88709	0.63110	0.54039	1.16795	0.50425	0,01272	0,00153
3	4.48230	0.81937	-0.58134	1.27470	-0.45606	-0.22233	0.06772	0.00815
7	20745.46094	22886.03906	-0.0001	0,00002	-0.65823	-0.31262	2.08353	0.25079
R	2.61538	1.60927	-0.14756	0.61979	-0.23807	-1.11921	0,04436	0.00534
<u> </u>	513.53833	742.02246	-0.00001	0.00109	-0.09468	-0.00234	0.25176	0.03030
10	2.46153	0.51350	-0.67755	0.57632	-1.17581	-0.50681	1.49477	0.17987
_11	1.46154	1.71345	0.26200	0.24868	1.05355	0.46606	0.60730	0.07310
	4.76923	0.83206						

TABLE 80 25-50,000

## **KEY 22**

0.9328 COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT 0.9658

DEPENDENT VARIABLE IS NOW NO. 6 ANALYSIS DE VARIANCE FOR THE MILITARE

SAMPLE SIZE

13

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	_ K: UACE N	N 1 1 1 N				
SOURCE OF VARIATION	n.F.	CHM OF	MC VN	Г		
		SOUAPES	SUITABES	VATHE	ρ	
DUE TO REGRESSION	R	9.61465	1.20183	6.9366		
DEVINTION ABOUT REGRESSION	4	0.69304	0.17326		<u>&lt;.</u> 05	
TOTAL +++	12	10.30769				

VARTARLF	MEAN	۲n,	erG.	STD CODUS	COMPLITED	PARTIAL	SILM OF SO.	PPOP. VAP.
NO,		DEVIATION	FOFFF.	OF REG.COF.	TVALIE	CUBB CUE	ADDED	CTIM.
1	1+61538	0.96077	-1.15656	0.47979	-2,41052	-0.76960	0.00214	0.00021
3	4.96231	0,88709	0.49P74	0.30410	1.64002	0.63409	0.10593	0.01028
- 4 -	4.48230	0.81937	-1.50919	0.71733	-2.22036	-0.74436	0.05541	0.00538
	20745.46094	22886.03906	0.00005	0,00001	3.77152	0.98347	1.44528	0.14021
Ŗ	2.61538	1.60927	-0.90812	0.34878	-2.60370	-0.79305	5.51557	0.53509
9	513,53833	742,02246	0.00023	0.00061	0.37795	0.18569	0.06709	0.00651
10	2.46151	0.51350	0.92360	0.32432	2.84770	0.81835	2.14556	0.20815
_11	1.46154	1.71345	-0,17716	0.13994	-1,26597	-0.53485	0,27767	0.02694
6	4.23077	0.92681						

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### TABLE 81 25-50,000 KEY 22

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.8386<br/>0.9158

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS OF VARIANCE FOR THE WILLING

#### ITNEAR PROPERTION SHIPCE OF VARTATION n.r. SIIM DE VE AN ٦ VALIE 2.5094 SOLIAPES CONTRES ρ NUE TO REGRESSION. DEVIATION ABOUT REGRESSION... TOTAL... 2.32240 0.29030 R n.s. 0.44689 0.11172 4 12 7.76929

VVBIVBIE		<u>۲</u> ۳.	0.00	STD. 50000	CUMBILLED	PAP*141 /	CIN DE CO.	PROP. VAR.
NO.		OF VIATION	CUEEC.	DE REG.COF.	T VALHE	LUGS LUE	40000	C114.
1	1.61538	0.96077	-0.21555	0.38528	-0.55947	-0.26030	0.01923	0.00694
3	4.96731	0.88709	0.07265	0.24420	0.29752	0.14714	0.10859	0.03921
4	4.48230	0.61937	-0.11533	0.57602	-0.02662	-0.01331	0.60493	0.21844
7	20745.46094	22896.03906	0.00001	0.0001	1.36032	0.56239	0.20665	0.07462
A	2.61538	1.60927		0.28007	-0.93044	-0.39700	0.99698	0.35998
9	513.53833	742.02246	-1.00128	0.00049	-0.56520	-0.27195	0.13227	0.04776
10	2.46153	0.51350	0.34651	0.24043	1.33050	0.55399	0.11080	0.04001
11	1.46154	1.71345	0.12715	0.11238	1.13150	0.40740	0.14304	0.05165
5,	4.69231	0.48039						

 TABLE
 82
 25-50,000
 KEY
 22

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 2 ANALYSIS OF VARIANCE FOR THE MULTINE

# COEFFICIENT OF DETERMINATION0.7161MULTIPLE CORR. COEFFICIENT0.8462

I I NEAR	0 - 1.0 - 4	CT UN				
SUBCE OF VARIATION	n.F.	STIM OF	MEAN	r		
		23971102	CUIVOEC	VALUE	p	
DHE TO PEGRESSION	9	36.68423	4.58553	1.2609		· · · · · · · · · · · · · · · · · · ·
DEVIATION ABOUT BEGRESSION	4	14.54654	3.63643		n.s.	
TOTAL ***	12	51.23077				

VAPTARLE	ME AN	ŠT0.	PFG.	C.10°E.66008	COMP117 FD	PAPTIAL	CIM OF CO.	0000 V19.
NO,		DEVIATION	COFFF.	OF REG.COE.	TVALUE	LUBS LUE	100E0	C11M.
1	1.61539	0.96077	1.90814	2.19914	0.8225P	0.39738	9.59187	0.18723
3	4.06231	0,88709	-0.79337	1.30323	-0,56945	-0.27385	1.04661	0.02043
4	4.48230	0.81937	2.50057	3.28640	0.76098	0,35558	9.56757	0.16723
7	20745.46094	22886.03906	-0.00004	0.0006	-n.70425	-0.33216	0.17534	0.00342
9	2.61539	1.60927	0.97713	1.59791	0.54570	1.26327	0.46803	0.01914
0	513.53933	742.02246	-0.00260	0.00290	- 1. 92951	-1.47109	4.45144	0.03689
10	2.46153	0.51350	1.95944	1.49596	1.25143	0.53744	1.75015	0.03416
<u> </u>	1.46154	1.71345	1.00631	0.64114	1.70003	0.64984	10.63310	0.20755
<u>,</u>	3.46154	2.06621				_		

TABLE 83 25-50,000 KE

## KEY 21

SAMPLE SIZE 13			CO	EFFICIENT (	OF DETERMINATION	0.7250
DEPENDENT_VARIABLE IS NOW	NO. 4		MU	LTIPLE COR	RR. COEFFICIENT	0.8515
ANALYSTS OF VIO		UN THE WILTIDLE				
LINFAP	0=60=6	ST ON				
SUILCE OF VARIATION	0.F.	STIM DE	MEAN	۶		
		SOUNDES	SUNADES	VALUE	P	
DUE TO REGRESSION	٩	47.27557	5.29445	1.3195		
DEVIATION ABOUT PEGRESSION	4	14,03212	4.00803		n.s.	
TOTAL	12	59,30769	•			

VAPTAPLE	45 AN	570.	PrG.	<u>210°25305</u>	CUMBILLED	DADTTAL	SHM DE SQ.	POD. VAP
<u>NO</u>		DEVIATION	CHEEF.	UE BEC'LUE	T V1115	LUDO' LUE'	ADDED.	C11M.
1	1.61539	0.96077	1.61972	2.30766	0.70146	0.33097	12.66980	0.21727
5	4.96231	0.88709	-0.37354	1.46764	-0,25538	-0.12667	1.19909	0.02055
6	4.49230	0.91937	1.75041	3.45013	0.50735	0.24589	5.46818	0.09378
7	20745,46094	22886.03976	-1,10013	0.00006	-0.54496	-0.26230	0,30944	0.00531
8	2.61539	1.60927	0.60958	1.67752	0.36338	0.17977	3.05178	0.05234
<u></u>	513,53833	742.02246	-1.00283	0.00294	-0.96050	-1.43292	5.02302	0.08615
10	2.46153	0.51350	2.19001	1.55999	1.30754	0.57770	2.90794	0.04997
11	1.46154	1.71345	1.14747	0.67309	1.70470	0.64871	11.64965	0.19979
4	3.74923	2.20431						



# TABLE 84 25-50,000

KEY 21

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.7663<br/>0.8754

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SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 3

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E

	ANAL	YSTS OF VART		MULTIPLE				
SDUI	RCE OF VART			IM OF	MEAN	F	•	
UC TO 05	RESSTON			ARFS	4.67152	1.6396	<u>р</u>	
	ABOUT REGP			39706	2.84927	[10] 10	n.s.	
				76924		_		
APTAALE	MFAN	STD.	PEG.	STD.FRROR	COMPUTED	PARTIAL	SIM OF SQ.	PROP. VAR.
NO.		DEVIATION		DE REG.COE		CUBS CUE		CHM.
1	1.61538	0.96077	-0.64701	1.94568	-0.33254	-0.16401	12.01923	0.24645
<u>5</u> .	4.96231	0.88709 0.81937	<u>0.07566</u> -0.98376	<u>1.23321</u> 2.90895	<u>0.06135</u> -0.33818	<u>0,03066</u> -0,1667?	0.48826	0.01001 0.13568
6 7 2	4.48230	22886.03906	0,0006	0.00005	1.18129	0.50856	6.29706	0.12912
8	2.61538	1.60927	-1.01434	1.41439	-0.71715	-0.33753	1+60672	0.03295
9	513.53833	742.02246	0.00086	0.00248	0.34671	0.17080	6.59559	0.13524
10	2.46153	0.51350	1.49048	1.31521	1.13327 0.23356	0.49299 0.11600	3.59303 0.15546	0.07367
3	<u>1.46154</u> 4.30769	<u>1.71345</u> 2.01596	0.13255	0.56751	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.13340	0.00.1
			TAI	BLE 85	25-50, 000	KEY 21		
SAMPLE		13	~ ^				DETERMINATION	0.7689 0.8769
DEPEND		BLE IS NOW N LYSIS OF VART		FMULTIPLE	MUL.	TIPLE CORR.	COEFFICIENT	0.0105
500	PCE OF VAR		D.F. 51		MEAN	F VAL IIF	p	
	GRESSION			11AR ES	<u>SOUARES</u> 1.18291	1.6634		
		RESSION	-	.84462	0.71115		n.s.	•
		TOTAL	12 12	.30786				
							· •	· · · · ·
ARTABLE NO.	MEAN	STD. DEVIATION	REG. COFFF.	STD. FRROP	СОМРИТЕП F. Т VALIIE	PARTIAL CORR. COE	STIM OF SQ.	PROP. VAR
<u></u>	1.61538		0.59501	0,97205	0.61212	0.29266	0.00214	0.00017
5	4_96231	0.88709	0.70127	0.61610	1.13823	0,49463	1.12391	0.0913
6	4.48230		0.63389	1.45329	0.43618	0.21308	0.50490	0.04102 0. <u>078</u> 82
<u> </u>	2.61538	<u>22886.03906</u> 1.60927	<u>-0.00002</u> 0.77178	0.00003	-0.68243 1.09221	<u>-0.32294</u> 0.47930	<u> </u>	0.0117
9	513.53833		-0.00155	0.00124	-1.25216	-0.53066	1.83709	0.1492
10	2.46153		0.79884	0.65707	1.21576	0.51944	0.07319	0.0059
<u>11</u> 2	<u>1.46154</u> 5.76923		0,73711	0.28352	2.59983	0.79761	4.80678	0.3905
		<u> </u>	тА	BLE 86	25-50, 000	КЕҮ 20		
							DETERMINATION	0.6904
SAMPLE		13 BLE IS NOW N	IO. 4				COEFFICIENT	.0.8309
DEFEN		LYSIS OF VAR		FMULTIPLE				
50	UPCE OF VAR		D.F. 9		MFAN SQUARFS	F VAL 11F	p	
-		••••••	R 49	91948	6.23993	1.1149		
DEVIATIO	N AROUT REG	TOTAL		? <u>.38838</u> ?.30786	5.59710		n.s	
VARIABLE	MFAN	STD.	REG.	STN. FRRNA			SIIM OF SO.	PPOP. VA
ND.	1 / 1 5 7 /			<u>OF PEG.CC</u>	-0.60235	<u></u>	- <u>ADDED</u> 6.00214	<u>CUM</u> . 0.0830
15	1.61538			2.72701 1.72844	-0+60235	-0.28837 0.19935	1.55360	0,0214
6	4.48230			4.07710	-0.44792	-0.21854	8.79668	0,1216
	20745.46094	22886.03906	0.0008	0.00007	1.10490	0.48356	9,73095	0.1345
8	2+6153			1.98237	-0.72185	-0.33949	3.47955 <u>15.47453</u>	0.0481
			0,00106	0.00348	0.30345	0.12000	17491474	
9	<u>513,5383</u> 2,4615			1.84336			3.45994	0.0476
	2.4615 	3 0.51350	1.68364	1.84336	0.91335 0.50403	0.41541 0.24438	3.45994	0.0478

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#### TABLE 87 25-50,000 **KEY 20**

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 3 ANALYSIS OF VARIANCE FOR THE MULTIPLE

#### COEFFICIENT OF DETERMINATION 0.6004 MULTIPLE CORR. COEFFICIENT 0.7748

ITNEAR PERPESSION SOURCE OF VARIATION n.F. SILM DE MEAN SOLIARES SOUMPES VALHE Ρ DUE TO REGRESSION...... DEVIATION ABOUT REGRESSION.... 1.75498 8 0.21937 0.7512 4 1.16810 0.29203 n.s. TOTAL ... 7.9230A 12

NO.		STO. OFVIATION	PFG COFFF	STD.FRRDR DF REG.COF.		PARTIAL CORR. COF.	「「「「「」」「「」」「「」」「」」「「」」「」「」」「」」「」」「」」「」」	PROP. VAR.
1 5	1.61538 <u>4.962</u> 31	0.96077	-0.11375 0.46254	0.62290	-0.19262	-0.09093	0.23558	0.08059
<u> </u>	4 • 48230 <u>20745 • 46</u> 094	0.81937 22886.03906	-0.41019 0.00001	0.93128	-0.44046	-0.21508	0.00494	0.00169
9	2.61538 513.53833		-0.21641	0+45281	-0.47793	-0.23242	0.07801	0.02669
10 	2.46153	0.51350	-0.17395	0.42105	-0.41314	-0.20230	0.06121	0.02094
3	0.42308	0.49355						0.00019

#### TABLE 88 25-50,000

**KEY 20** 

MULTIPLE CORR. COEFFICIENT

COEFFICIENT OF DETERMINATION 0.6098 0.7809

DEPENDENT VARIABLE IS NOW NO. 2 ANALYSIS OF VARIANCE FOR THE MULTIPLE I INFAR PEGRESSION

13

SAMPLE SIZE

SOURCE OF VARIATION	D.F.	SIM OF	MĘĂN	F		
		SOLIARES	SOUMPES	VALHE	Р	
DUE TO REGRESSION.	8	10.23229	1.27904	0.7814		• <u> </u>
OEVIATION ABOUT REGRESSION	4	6.54753	1.63688		n.s.	
TOTAL	12	16.77982				

VARIARLE	MEAN	STD.	956	STO FRROR	COMPLITED			
ND.		DEVIATION	COFFF	DE PEG.COF.	T VALUE	PAPTIAL	SHM OF SQ.	PROP. VAR.
1	1.61539		0.09951	1.47473	0.06748	0.03372	1.83686	0.10947
6	4.48230		<u>-0.57005</u> 1.41379	<u>0,93472</u> 2,20495	<u>-0.60986</u> 0.64122	<u>-0.29167</u> 0.30530	0.13147	0.00784
7		22886.03906	-0.00000	0.00004	-0.08328	-0.04160	0.48752	0.02905
Q	2.61538 513.53833		-0.03216 -0.00085	1.07204	-0.03000	-0.01500	2.21786	0.13217
10	2.46153	0.51350	-0.31948	0.99686	-0.32049	-0.15823	$\frac{1.18472}{0.24334}$	0.07060
2	<u> </u>		0.04932	0.43014	0.11465	0.05723	0.02151	0.00128

TABLE 89 LESS THAN 25,000

### **KEY 27**

SAMPLE SIZE COEFFICIENT OF DETERMINATION 13 0.8781 DEPENDENT VARIABLE IS NOW NO. 6 MULTIPLE CORR. COEFFICIENT 0.9371 ANALYSIS OF VARIANCE FOR THE MULTIPLE SOURCE OF VARIATION D.F. SUM OF MEAN OUE TO REGRESSION... OEVIATION ABOUT REGRESSION... TOTAL... SQUARES SQUARES VALUE Ρ 8 14.99536 1.87442 3.6019 4 2.08158 0.52039 n.s. 12 17.07693

VARIABLE	MEAN	STD. OEVIATION	RÉG. COFFF.	STD.ERROP OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUM OF SQ.	PROP. VAR. CUM.
	1.30769 <u>4.76307</u>	0.73297	1.42684 -1.73540	0.54298 0.56925	2.62778	0.79574	2.51241 0.87031	0.14712
<u> </u>		25361.06250	-0.50163	0.23938 0.00001	-2.39549	-0.72340	0.16872	0.00988
	3.15385 784.23071	1.46322 	-0.31786 -0.00012	0.24324	-1.30675	-0.54698 -0.31928	2.32872	0.13637 0.08872
10	2.24307 2.15385	1.18952	0.40203	0.27956	1.43808	0.58379	0.02361	0.00138

TABLE 90

LESS THAN 25,000 KEY 27

#### COEFFICIENT OF DETERMINATION 0.8402 MULTIPLE CORR. COEFFICIENT 0.9166

COEFFICIENT OF DETERMINATION 0.9707

0.9852

MULTIPLE CORR. COEFFICIENT

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ANALYSIS OF VA		OR THE MULTIPLE				
SOURCE OF VARIATION	0.F.	SUM OF	MEAN SQUARES	F	P	•
DUE TO REGRESSION	8	31.02139	3.87757	2.6282		
TOTAL	12	36.92308	1.47542		<u> </u>	

VARÍABLE	MEAN	STO.	REG.	STD.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR
<u>_NO.</u>		DEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AOOED	C UM .
1	1.30769	C.63043	0.80676	0.91428	0.98241	0.40366	3.89081	0.10538
2	4.76307	0.73297	0.94884	0.95851	0.98991	0.44360	0.32538	0.00881
3	4.03384	1.42110	0.80252	0.40307	1.99100	0.70552	8.80349	0.23843
	13647.15234	25361.06250	0.00001	0.00003	0.27715	0.13727	0.13808	0.00374
6	3.15385	1.46322	-0.36081	0.40957	-··û. 98094	-0.40310	2.59971	0.07041
9	784.23071	2178.22437	-0.00017	0.00030	-0.59133	-0.28353	9.67054	0.26191
10	2.24307	1.18952	-0.77455	0.47072	-1.64545	-0.63534	1.54418	0.04182
11	2.15385	1.67562	-0.75056	0.45305	-1.65666	-0.63791	4.04930	0.10967
	2.92308	1.75412						

#### TABLE 91 LESS THAN 25,000 KEY 27

SAMPLE SIZE 13
DEPENDENT VARIABLE IS NOW NO. 4
ANALYSIS OF VARIANCE FOR THE MULTIPLE

•

SAMPLE SIZE

13 DEPENDENT VARIABLE IS NOW NO. 5

	REGRES		••			
SOURCE OF VARIATION	D.F.	SUM VF	MEAN			
		SQUAKES	SQUARES	VALUE	Р	
OUE TO REGRESSION	8	27.47174	3.43472	16.5537		
OEVIATION ABOUT REGRESSION	4	0.82996	0.20749		<.01	
TOTAL	12	28.30769				

VARIABLE	MEAN	STO.	REG.	STD.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
<u>NO.</u>		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AODEO	C UM .
1	.1.30769	0.63043	0.17776	0.34286	0.51847	0.25096	3.48512	0.12312
. 2	4.76307	0.73297	-0.73879	0.35945	-2.05536	-0.71671	2.40316	0. 084 89
3	4.03384	1.42110	0.92966	0.15116	6.15033	0.95099	8.68461	0.30679
. 7	13647.15234		0.00000	0.00001	0.16118	0.08034	1.47892	0.05224
- 8	3.15385	1.46322	0.33049	0.15359	2.15171	0.73248	0.19853	0.00701
9	784.23071	2178.22437	- C. 00062	0.00011	-5.57904	-0.94135	11.06975	0.39105
10	2.24307	1.18952	-0.02980	0.17652	-0.16884	-0.08413	0.05753	0.00203
11	2.15385	1.67562	0.11808	0.16990	0.69501	0.32927	0.10023	0.00354
4	3.23077	1.53590						

TABLE 92 LESS THAN 25,000 **KEY 26** 

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW	NO. 6			COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT				
		DR THE MULTIPLE SION						
SOURCE OF VARIATION	C.F.	SUM OF SQUARES	MEAN SQUARES	F T				
OUE TO REGRESSION OEVIATION ABOUT REGRESSION	8	31.02139 5.90169	3.87767 1.47542	2.6282	n, s.			
TOTAL	12	36.92308						

VARTABLE	E MEAN	STD.	1.2.6.	STD. ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR.
<u>NO</u>	•	<u>DEVIATION</u>	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AOOEO	C UM .
1	1.30769	0.63043	0.80676	0.91428	0.98241	0.40366	3.89081	0.10538
2	4.76307	<u> </u>	0.94884	0.95851	0.98991	0.44360	0.32538	0.00881
3	4.03384	1.42110	0.80252	0.40307	1.99100	0.70552	8.80349	0.23843
	13647.15234	25361.06250	0.00001	0.00003	0.27715	0.13727	0.13808	0.00374
	3.15385	1.46322	-0.36081	0.40957	-0.88094	-0.40310	2.59971	0.07041
9	784.23071	2178.22437	-C.00017	0.00030	-0.59133	-0.28353	9.67054	0.26191
10	2.24307	1.18952	-0.77455	0.47072	-1.64545	-0.63534	1.54418	0.04182
11	2.15385	1.67562	-0.75056	0.45305	-1.65666	-0.63791	4.04930	0.10967
6	2,92308	1,75412						

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#### LESS THAN 25,000 KEY 26 TABLE 93

#### SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS OF VARIANCE FOR THE MULTTPLE

#### COEFFICIENT OF DETERMINATION 0.9707 MULTIPLE CORR. COEFFICIENT 0.9852

LINEAR	REGRES	S ION			
SOURCE OF VARIATION	0.+.	SUM UF SQUARES	SQUARES	VALUE	P
DUE TO REGRESSION	8	27.47774	3.43472 0.20749	16.5537	<,01
TOTAL	12	28.30769			

VARIABLE NO.	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	CORR. COE.	SUM OF SQ. ADDE0	C U4 .
1 2	1.30769	0.63043 0.73297	0.17776 -0.73879	0.34286 0.35945	0.51847 -2.05536	0.25096 -0.71671	3.48512 2.40316	0.12312 0.08489
37	4.03384	1.42110 25361.06250	0.92966 0.00000	0.15116 0.00001	6.15033 0.16118	0.95099 0.08034	R.68461 1.47892	0.30679 0.05224
89	3.15385 784.23071	1.46322 2178.22437	0.33049	0.15359 0.00011	2.15171 -5.57934	0.73248 -0.94135	0.19853 11.06975	0.00701 0.39105
10	2.24307	1.18952 1.67562	-0.02980 0.11808	0.17652 0.16990	-0.16884 0.69501	-0.08413 0.32827	0.05753 0.10023	0.00203 0.00354
	3.23077	1.53590						

#### TABLE 94 LESS THAN 25,000 KEY 26

SAMPLE SIZE	13				
DEPENDENT VA	ARIABLE IS	NOW	NO.	4	
	ANALYSIS	OF VA	RIANCE	FUR	THE

COEFFICIENT OF DETERMINATION	0.9902
COEFFICIENT OF DETERMINATION	0.3302
	0.0051
MULTIPLE CORR. COEFFICIENT	0.9951

ANALYSIS OF VAR LINEAR	MO				
SOURCE OF VARIATION	D.F.	SUM OF SQUARES	MEAN SQUARES	F	P
OUE TO REGRESSION	8 4	30.92537 0.30540	3.86557 0.07635	50.6301	<.001
TOTAL	12	31.23077			

VARIABLE NO.	MEAN	STO. DEVIATION	REG. COEFF.	STD.ERROP OF REG.COE.	COMPUTED T VALUE	PARTIAL COPR. COE.	SUM OF SQ.	PROP. VAR. CUM.
1	1.30769	0.63043	-0.07856	0.20798	-0.37771	-0.18561	1.69851	0.05439
ž	4.76307	0.73297	-0.40728	0.21804	-1.86786	-0.68263	2.04805	0.06558
3	4.03384	1.42110	0.97060	0.09169	10.58539	0.98262	10.98649	0.35178
7	13647.15234	25361.06250	0.00000	0.00001	0.84193	0.38806	0.20583	0.00659
8	3.15385	1.46322	0.09708	0.09317	1.04200	0.46212	1.80293	0.05773
9	784.23071	2178.22437	<del>-</del> C. 00064	0.0007	-9.59197	-0.97895	13.98553	0.44781
10	2.24307	1.18952	-0.13506	0.10708	-1.26132	-0.53352	0.18890	0.00605
ii	2.15385	1.67562	0.03590	0.10306	0.34830	0.17161	0.00926	0.00030

#### TABLE 95 LESS THAN 25,000 KEY 25

SAMPLE SIZE 13 DEPEND <u>ENT VARIABLE IS NOW</u>	NO. 6			DETERMINATION	0.9937 0.9968	
ANALYSIS OF VAP	REGRES					
SOURCE OF VARIATION	D.F.	SUM OF SQUARES	MEAN SQUARES	F	р	
DUE TO REGRESSION	8	28.89365 0.18329	3.61171 0.04582	78.8201	< .001	
TOTAL	12	29.07693				

VARIABLE	MEAN	STD.	REG.	STD.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PROP. VAR
NO.		DEVIATION	COEFF+	OF REG.COF.	T VALUE	COPR. COE.	AODED	<u>CUM -</u>
1	1.30769	0.63043	0.32822	0.16112	2.03708	0.71368	2.51241	0.08641
2	4.76307	0.73297	-1.19087	0.16892	-7.05002	-0.96206	3.59812	0.12374
3	4.03384	1.42110	0.96280	0.07103	13, 55412	0.98929	10.89900	0.37483
7	13647.15234	25361.06250	-0.00000	0.00000	-1.04235	-0.46228	0.25984	0.00894
8	3,153.85		0.01997	0.07219	0.27670	0.13709	2.59870	0.08937
9	784.23071	2178.22437	-0.00062	0.00005	-11.81702	-0.98599	8.71911	0.29986
10	2.24307	1.18952	0.13536	0.08295	1.63157	0.63226	0.01581	0.00054
ii	2.15385	7562	0.20113	0.07984	2.51909	0.78327	0.29079	0.01000
6	3.38461	5662						

TABLE 96 LESS THAN 25,000 KEY 25

SAMPLE SIZE 13		
DEPENDENT VARIABLE IS NOW	NO. 5	
ANALYSIS OF VAR	RIANCE FO	OR THE MULTIPLE
LINEAR	REGRESS	S ION
SOURCE OF VARIATIUN	0.F.	SUM OF

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.6772<br/>0.8229

LINCAR	~ 60~63	2104				
SOURCE OF VARIATIUN	0.F.	SUH OF	MEAN	F		
		SQUARES	SQUARES	VALUE	Р	
DUE TO REGRESSION	8	21.14841	2.64355	1.0488		
<u>DEVIATION ABOUT REGRESSION</u>	4	10.08237	2.52059		n.s.	
TOTAL	12	31.23077				

VARIABLE	MEAN	STO.	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR
<u>N0.</u>		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AOOEO	CUM.
1	1.30769	0.63043	0.91316	1.19501	0.76415	0.35691	4.92432	0.15768
_2	4.76307	0.73297	-0.14943	1.25282	-0.11927	-0.05953	3.40049	0.10888
3	4.03384	1.42110	-0.43478	0.52684	-0.82526	-0.38143	0.75348	0.02413
	13647.15234	25361.06250	<u>~0.00001</u>	0.00003	-0.29223	-0.14458	0.00044	0.00001
8	3.15385	1.46322	0.09673	0.53533	0-18069	0.08998	0.91996	0.02946
9	784.23071	2178.22437	-0.00053	0.00039	-1.36583	-0.56395	6.48987	0.20780
10	2.24307	1.18952	-0.24180	0.61526	-0.39301	-0.19282	2.15001	0.06884
11	2.15385	1.67562	0.59090	0.59217	0.99786	0.44645	2.50984	0.08036
5	3.53846	1.61325						

#### TABLE 97 LESS THAN 25,000 **KEY 25**

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 4

1

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.5455<br/>0.7386

ANALYSIS OF VARIANCE FOR THE MULTIPLE

	<u> </u>	SION				
SOURCE OF VARIATION	D.F.	SUN OF	MEAN	F		
		SQUARES	SQUARES	VALUE	р	
OUE TO REGRESSION	8	18.04338	2.25542	0.6001		
DEVIATION ABOUT REGRESSION	4	15.03355	3.75839		n.s.	
TOTAL	12	33.07693				

VARIABLE	E PEAN	STO.	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
<u>NO_</u>		OEVIATION	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	AOOEO	CUN.
1	1.30769	0.63043	0.80349	1.45922	0.55063	0.26544	2.62531	0.07937
	4.76307	<u> </u>	0.30938	1.52981	0.20223	0.10060	2.15454	0.06514
3	4.03384	1.42110	-0.43112	0.64332	-0.67015	-0.31771	0.98760	0.02986
7		25361.06250	-0.00001	<u>0.00004</u>	-0.27218	-0.13485	0.00614	0.00019
8	3.15385	1.46322	-0.14970	0.65369	-0.22900	-0.11376	2.81235	0.08502
	<u>784.23071</u>	2178.22437	<u>- C. 00046</u>	0.00047	-0.97924	-0.43974	6.91057	0.20892
10	2.24307	1.18952	-0.31473	0.75129	-0.41893	-0.20501	1.77410	0.05364
<u> </u>	2.15385	<u> </u>	0.32788	0.72309	0.45345	0.22111	0.77278	0.02336
4	3.61538	1.66024						

		TABLE 98	LESS THAN	1 25,000	KEY 24	
SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW	NO. 6				NT OF DETERMINATION CORR. COEFFICIENT	0.7196 0.8483
ANALYSTS OF VAR LINEAR	REGRES	OR THE MULTIPLE SION				
SOURCE OF VARIATION	D.F.	SUH OF SQUARES	MEAN SQUARES	F VALUE	 Р	
DUE TO REGRESSION	8	23.80156 9.27538	2.97519 2.31884	1.283	n.s.	-
TOTAL	12	33.07693				

NO.	MEAN	STD. DEVIATION	REG. COEFF.	STU.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUN OF SQ.	PRUP. VAR. CUM.
	1.30769		1.11835	1.14619	0.97571	0.43846	4.31886	0.13057
•	4.76307							
<u> </u>			-0.02427	1.20163	-0.02020	-0.01010	4.02746	0.12176
2	4.03384		-0.76927	0.50532	-1.52236	-0.60568	3.74577	0.11324
		25361 06250	-0.00001	0.00003	<u>-0.4644</u> 7	-0.22621	0.00943	0.00029
8	3.15385	1.46322	-0.01173	0.51346	-0.02285	-0.01142	1.37656	0.04162
9	784.23071	2178.22437	-0.00047	0.00037	-1.25631	-0.53192	5.01636	0.15166
10	2.24307	1.18952	-0.28394	0.59012	-0.48116	-0.23390	2+60999	0.07891
<u>_11</u>	2.15385		0.61255	0 <u>.56797</u>	1.07849	0.47464	2.69714	0.08154
6	3.61538	1.66024						

## TABLE 99 LESS THAN 25,000 KEY 24

, SAMPLE SIZE	13		
DEPENDENT VA	RIABLE IS N	OW NO. 4	
	ANALYSIS OF	VARIANCE FOR	THE MULTIPLE
		EAR REGRESS I	ON
SOURCE DE	VARIATION	D.E.	

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.6156<br/>0.7846

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.5307<br/>0.7285

	MEAN		
		VALUE	p
7.69290	4.71161	0.8007	
3.53787	5.88447		n.s.
1+23077			
	SUH UF QUARES 7.69290 3.53787 1.23077	SUN UF NEAN QUARES SQUARES 7.69290 4.71161 3.53787 5.88447	SUM OF NEAN F QUARES SQUARES VALUE 7.69290 4.71161 0.8007 3.53787 5.88447

NO.	PEAN	STD. OEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUH UF SQ. AODED	PROP. VAR.
2	1.30769 4.76307	0.73297	2.01534 -0.25579	1.82588	1.10376 -0.13362	0.48318	2.08561	0.03406
		1.42110 25361.06250	0.71950 -0.00005	0.80497 0.00005	0.89382 -1.09580	0-40802	14.48486	0.23656
	3.15385 784.23071	1.46322 2178.224 <u>37</u>	-0.70086 <u>C.00063</u>	0.81795	-0.85586 1.07452	-0.39381 0.47329	0.45585	0.00744
10 	2.24307 2.15385 3.46154	1.67562	-0.74987 -0.7 <u>0612</u>	0.94007 0.90479	-0.79768 -0.78043	-0.37046	1.51260	0.02470 0.05853

## TABLE 100 LESS THAN 25,000 KEY 24

SAMPLE SIZE 13
DEPENDENT VARIABLE IS NOW NO. 5
ANALYSIS OF VARIANCE FOR THE MULTIPLE
LINEAR REGRESSION

LINEAR	KEGKES	SIUN				
SOURCE OF VARIATION	0.F.	SUM UF	MEAN			
		SQUARES	SQUARES	VALUE	р	
OUE TO REGRESSION	8	20-00493	2.50062	0.5655		
OEVIATION ABOUT REGRESSION	4	17.68739	4.42185		n.s.	
TOTAL	12	37.69232				

VARTABLE NO.		STD. OEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUM OF SQ.	PROP. VAR.
2	1.30769	0.73297	0.88804 -1.52840	1.58278 1.65935	0.56107 -0.92108	0.27011 -0.41831	0.07940	0.00211
		25361.06250	0.85957 -0.00003	0.69780 0.00004	1.23184	0.52443	16.10699	0.42733
<u>9</u> 10	3.15385	2178.22437	-0.36858 0.00033	0.70904 C.00051	-0.51982 0.63730	-0.25155 0.30361	0.19226 2.07390	0.00510
<u>_11</u> 	2.24307 2.15385 3.84615		-0.12287 -0.14268	0.81490 0.78432	-0.15077 -0.18192	-0.07517 -0.09059	0.02764 0.14634	0.00073

## TABLE 101 LESS THAN 25,000 KEY 23

				COEFFICIENT OF MULTIPLE CORR		0.6288 0.7930
	•F•	SUM OF SQUARFS	MEAN SQUARES	F F VALUE	P	
OUE TO REGRESSION OEVIATION ABOUT REGRESSION TOTAL 1	8	33.27646 19.64662 52.92308	4.1595	6 0.8469	n.s.	

VARIABLE NO.	MEAN	STO. OEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTEO T VALUE	PARTIAL COPR. COE.	SUM OF SQ.	PROP. VAR. Cum.
1	1.30769	0.63043	-0.69732 0.15261	1.66814	-0.41802 0.08727	-0.20459 0.04359	0.10050	0.00190
3	4.03384	1.42110	0.76335	0.73543	1.03796	0.46064	<u>     2.09341</u> 15.54057	0.03956
8	3.15385	1.46322 2178.22437	0.39199	0.74728	0.52455	0.38782	<u>2.25960</u> 1.83105	0.04270
10	2.24307	1.18952	-0.92461	0.85885	<u>-0.23274</u> -1.27657	<u>-0.11559</u> -0.47398	<u> </u>	0.09365
6	<u> </u>	<u> </u>	-0.08957	0.82662	-0.10835	-0.05410	0.05766	0.00109

TABLE 102 LESS THAN 25,000 KEY 23

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E

SAMPLE DEPEND	DENT VARIA	13 BLE IS NOW 1					DETERMINATION COEFFICIENT	0.7036 0.8388
	ANAL	YSIS OF VAR		HE MULTIPLE				
SOU	RCE OF VARI	LINEAR		SUM OF	MEAN			
				DUARES	SQUARES	VALUE	р	
	GRESSION			9.63357	1.20420	1.1868	· · · · · · · · · · · · · · · · · · ·	
EVIATION	ABOUT REGR			4.05875	1.01467		<u>n.</u> s.	
		TOTAL	12 13	3.69232				
ARIABLE	MEAN	STO.	REG.	STO . ERROR	COMPUTEO	PARTIAL	SUN OF SQ.	<b></b>
NO.	ncan	OEVIATIO		OF REG.COE		CORR. COE.		PROP. VA
1	1.30769	C.63043	-0.99479	0.75820	-1.31204	-0.54852	0.40198	0.0293
2	4.76307	0.73297	0.77324	0.79488	0.97277	0.43739	0.50333	0.0367
3	4.03384	1.42110	-0.04985	0.33427	-0.14914	-0.07437	1.77381	0.1295
		25361.06250		0.00002	2.11746	0.72698	4.59862	0.3358
8	3.15385	1.46322		0.33965	0.39668	0.19455	0.00581	0.0004
9	784.23071	2178.22437		0.0024	-0.71763	-0.33773	0.77525	0.0566
10	2.24307	1.18952	0.26358	0.39036	0.67522	0.31987	1.15231	0.0841
5	2.15385 3.84615	1.67562 1.06819	-0.24243	0.37572	-0.64526		0.42247	0.0308
			TA	ABLE 103	LESS THAN 2	5,000 KEY	23	
SAMPLE		13			COEI	FFICIENT OF	DETERMINATION	0.8087
DEPEND	DENT VARIA	BLE IS NOW 1	NO. 4		MUL	TIPLE CORR.	COEFFICIENT	0.8993
	ANAL	YSIS OF VAR Linear	LANCE FOR TH REGRESSION	E MULTIPLE				
SOUP	RCE OF VARI	AT ION		UN OF	MEAN SQUARES	F		
	GRESSION			UARES	2.73722	2.1140	_p	
			0 21		2.013122	2.1140		
EVIATION					1.29478		n.s.	
EVIATION	ABOUT REGR		4 5	5.17914 1.07693	1.29478		<u>n.s.</u>	
<u>EVIATION</u>		ESSION	4 5	5.17914	1.29478		<u>n.s.</u>	
ARTABLE		TOTAL STO.	4 5 12 27 	5.17914	1.29478 COMPUTEO	PARTIAL		PROP. VA
	ABOUT REGR	STO. 0EVIATIO	4 27 12 27 REG. COEFF.	5.17914 7.07693 STD.ERROR OF REG.COF	COMPUTEO • T VALUE	PARTIAL CORR. CDE	SUN OF SQ.	PROP. VA
ARIABLE	ABOUT REGR MEAN 1.30769	STO. 0EVIATIO 0.63043	4 5 12 27 REG. COEFF. -0.54210	5.17914 7.07693 STO.ERROR OF REG.COF 0.85648	COMPUTEO • T VALUE -0.63293	CORR. COE.	SUM OF SQ. ADDEO 0.49628	<u> </u>
ARIABLE	ABOUT REGR MEAN 1.30769 4.76307	STO. 0.63043 0.73297	4 5 12 27 REG. COEFF. -0.54210 0.66000	5.17914 7.07693 STD.ERROR OF <u>REG.COF</u> 0.85648 0.89791	COMPUTE0 • T VALUE •0.63293 0.73504	CORR. CDE. -0.30172 0.34496	SUM OF SQ. AODEO 0.49628 4,58369	<u>CU4.</u> 0.0183 0.1692
ARIABLE ND. 1 2 3	MEAN MEAN 1.30769 4.76307 4.03384	STO. OEVIATIO 0.63043 0.73297 1.42110	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341	5.17914 7.07693 STO.ERROR OF REG.COF 0.85648 0.85648 0.89791 0.37760	COMPUTE0 T VALUE -0.63293 0.73504 0.51221	CORR. CDE, -0.30172 0.34496 0.24810	SUM OF SQ. AODEO 0.43628 4.58369 0.90996	<u>CU4.</u> 0.0183 <u>0.1692</u> 0.0336
ARIABLE ND. 1 2 3 7 13	MEAN 1.30769 4.76307 4.03384 3647.15234	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00035	5.17914 7.07693 STD.ERROR <u>DF REG.CNF</u> 0.85648 0.89791 0.37760 0.00002	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726	CORR. CDE, -0.30172 0.34496 0.24810 0.70305	SUM OF SQ. <u>AODEO</u> 0.43628 4.58369 0.90996 3.41328	<u>CU4.</u> 0.0183 0.1692 0.0336 0.1260
ARIABLE ND. 1 2 3 7 13 8	MEAN MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748	5.17914 7.07693 STO.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368	COMPUTE0 T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133	SUM OF SQ. AODEO 0.43628 4,58369 0.90996 3.41328 1.31884	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487
ARIABLE ND 1 2 7 13 8 9	MEAN MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071	STD. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.0005 0.11748 -C.00055	5.17914 7.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323	SUM OF SQ. <u>AODEO</u> 0.43628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357
ARTABLE ND. 1 2 3 7 13 8 9 10	MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00005 0.11740 -C.00055 0.27194	5.17914 7.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096	COMPUTE0 T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670	CORR. COE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466	SUM OF SQ. ADDEO 0.49628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517
ARTABLE ND. 1 2 3 7 13 8 9 10	MEAN MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071	STD. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.0005 0.11748 -C.00055	5.17914 7.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323	SUM OF SQ. <u>AODEO</u> 0.43628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517
ARIABLE ND. 1 2 3 7 13 8 9 10 11	MEAN MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307 7.15385	STO. OE VIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00005 0.11740 -C.00055 0.27194 -C.30849	5.17914 7.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442	COMPUTE0 T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157	SUM OF SQ. AODEO 0.43628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517
ARTABLE ND. 1 2 3 7 13 8 9 10 11 4	MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307 2.15385 3.61538	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.6756? 1.50214	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00005 0.11740 -C.00055 0.27194 -C.30849	5.17914 7.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 LSSS THAN 25	<u>CORR. CDE</u> , -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY	SUM OF SQ. <u>AODEO</u> 0.47628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402	CU4. 0.0183 0.1692 0.0336 0.0260 0.0487 0.3357 0.0517 0.0252
ARIABLE ND. 1 2 3 7 12 8 9 10 11 4 5AMPLE	ABOUT REGR MEAN 1.30769 4.76307 4.03384 3.15385 784.23071 2.24307 2.15385 3.61538 SIZE	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562 1.50214	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00035 0.11748 -C.00055 0.27194 -0.30849 TA	5.17914 7.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 LESS THAN 25 COEF	<u>CORR. CDE</u> , -0.30172 0.34496 0.24810 0.70305 0.15133 0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF 2	SUM OF SQ. <u>AODEO</u> 0.47628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ERMINATION	CU4. 0.0183 0.1692 0.0336 3.1260 0.0487 0.3357 0.0517 0.0252
ARIABLE ND_ 1 2 3 7 12 8 9 10 11 4 5AMPLE	ABOUT         REGR           MEAN         1.30769           4.76307         4.03384           3647.15234         3.15385           784.23071         2.24307           2.15385         3.61538           3.61538         S.61538	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.6756? 1.50214 BLE IS NOW N YSIS OF VAR	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00005 0.11748 -C.00055 0.27194 -0.30849 TA	STO.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 LESS THAN 25 COEF	<u>CORR. CDE</u> , -0.30172 0.34496 0.24810 0.70305 0.15133 0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF 2	SUM OF SQ. <u>AODEO</u> 0.47628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402	<u>CU4.</u> 0.0183 0.1692 0.0336 <u>3.1260</u> 0.0487 0.3357 0.0517
ARTABLE ND 1 2 7 13 8 9 10 11 4 SAMPLE DEPEND	ABOUT         REGR           MEAN         1.30769           4.76307         4.03384           3647.15234         3.15385           784.23071         2.24307           2.15385         3.61538           3.61538         S.61538	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562 1.50214 BLE IS NOW N YSTS OF VARI LINFAR	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESS ION	STO.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 LESS THAN 25 COEF	<u>CORR. CDE</u> , -0.30172 0.34496 0.24810 0.70305 0.15133 0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF 2	SUM OF SQ. <u>AODEO</u> 0.47628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ERMINATION	CU4. 0.0183 0.1692 0.0336 3.1260 0.0487 0.3357 0.0517 0.0252
ARTABLE ND 1 2 7 13 8 9 10 11 4 SAMPLE DEPEND	ABOUT REGR MEAN 1.30769 4.76307 4.03384 3.15385 784.23071 2.24307 2.15385 3.61538 SIZE ENT VARIAL ANAL	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562 1.50214 BLE IS NOW N YSTS OF VARI LINFAR	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00005 0.11748 -C.00055 0.27194 -C.30849 TA NO. 6 ANCE FOR TH REGRESSION D.F. 5	STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN	<u>CORR. CDE</u> , -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FILLE CORR.	SUM OF SQ. <u>AODEO</u> 0.43628 4.58369 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT	CU4. 0.0183 0.1692 0.0336 3.1260 0.0487 0.3357 0.0517 0.0252
ARTABLE ND. 1 2 3 7 13 8 9 10 11 4 5 SAMPLE DEPEND SOUR	ABOUT REGR MEAN 1.30769 4.76307 4.03384 3.15385 784.23071 2.24307 2.15385 3.61538 SIZE ENT VARIAL ANAL	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562 1.50214 BLE IS NOW N YSTS OF VARI LINFAR	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00005 0.11748 -C.00055 0.27194 -0.30849 TA IO. 6 ANCE FOR TH REGRESS ION D.F. SO	STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN	<u>CORR. CDE</u> , -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FILIENT FILIENT OF F	SUM OF SQ. <u>AODEO</u> 0.47628 <u>4.58369</u> 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ERMINATION	CU4. 0.0183 0.1692 0.0336 3.1260 0.0487 0.3357 0.0517 0.0252
ARTABLE ND. 1 2 3 7 13 8 9 10 11 4 5 SAMPLE DEPEND SOUR JE TO REG	ABOUT REGR           MEAN           1.30769           4.76307           4.03384           3647.15234           3.15385           784.23071           2.24307           2.15385           3.61538           SIZE           ENT VARIAL           ANAL           RCE OF VARIA	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562 1.50214 BLE IS NOW N YSTS OF VARI LINFAR ATTON ESSION	4 5 12 27 REG. COEFF. -0.54210 0.66001 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA IO. 6 ANCE FOR TH REGRESS ION D.F. 5 SO 8 28 4 12	STO.ERROR OF REG.COF O.85648 O.89791 O.37760 O.00002 O.38368 O.00028 O.44096 O.42442 ABLE 104 I E MULTIPLE UM OF UARES .76595 .15714	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 LSS THAN 25 COEE MULT MEAN SQUAPES	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF F TIPLE CORR.	SUM OF SQ. <u>AODEO</u> 0.43628 4.58369 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT	CU4. 0.0183 0.1692 0.0336 3.1260 0.0487 0.3357 0.0517 0.0252
ARIABLE ND. 1 2 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR	ABOUT REGR           MEAN           1.30769           4.76307           4.03384           3647.15234           315385           784.23071           2.24307           2.15385           3.61538           S.61538           S.61538           GENT VARIAL           ANAL           REE OF VARI           GRESSION	STO. OEVIATIO 0.63043 0.73297 1.42110 25361.06250 1.46327 2178.22437 1.18952 1.67562 1.50214 BLE IS NOW N YSIS OF VARI LINFAR ATTON	4 5 12 27 REG. COEFF. -0.54210 0.66001 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA IO. 6 ANCE FOR TH REGRESS ION D.F. 5 SO 8 28 4 12	S.17914 V.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I E HULTIPLE UM UF UARES .76595	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 LSS THAN 25 COEE MULT MEAN SQUAPES 3.59574	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF F TIPLE CORR.	SUM OF SQ. <u>AODEO</u> 0.49628 4.58369 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P	0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252
ARTABLE ND. 1 2 3 7 13 8 9 10 11 4 5 SAMPLE DEPEND EPEND SOUR JE TO REG	ABOUT REGR MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307 2.15385 3.61538 SERT VARIAL CE OF VARI GRESSION ABOUT REGR	STO.         TOTAL         TOTAL         TOTAL         STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67562         1.50214         BLE IS NOW N         YSIS OF VARI         LINFAR         ATION         ESSION         TOTAL	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00035 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESSION D.F. S0 8 28 4 12 12 40	STD. ERROR OF REG. COF 0. 85648 0. 89791 0. 37760 0. 30002 0. 38368 0. 00028 0. 44096 0. 42442 ABLE 104 I E HULTIPLE UM UF UARES .76595 .15714 .92308	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN SQUAPES 3.59574 3.03928	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF F TIPLE CORR.	SUM OF SQ. <u>AODEO</u> 0.49628 4.58369 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P	CU4. 0.0183 0.1692 0.0336 3.1260 0.0487 0.3357 0.0517 0.0252
ARIABLE ND_ 1 2 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR JE TO REG VIATION ARIABLE	ABOUT REGR           MEAN           1.30769           4.76307           4.03384           3647.15234           315385           784.23071           2.24307           2.15385           3.61538           S.61538           S.61538           GENT VARIAL           ANAL           REE OF VARI           GRESSION	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.8952         1.67562         1.50214         13         BLE IS NOW N         YSIS OF VARILINFAR         ATTON         ESSION         TOTAL	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00035 0.11748 -C.00055 0.27194 -C.30849 TA IO. 6 ANCE FOR TH REGRESS ION D.F. 5 0.0 8 28 4 12 12 40 REG.	STD. ERROR OF REG. COF 0. 85648 0. 89791 0. 37760 0. 30002 0. 38368 0. 00028 0. 44096 0. 42442 ABLE 104 I E MULTIPLE UM UF UARES .76595 .15714 .92308 STD. ERROR	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN SQUAPES 3.59574 3.03928 COMPUTED	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF F TIPLE CORR. F VALUE 1.1831 PARTIAL	SUM OF SQ. AODEO 0.43628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.s. SUM OF SQ.	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384
ARIABLE ND. 1 2 3 7 13 8 9 10 11 4 5 SAMPLE DEPEND SOUR E TO REG VIATION RIABLE NO.	ABOUT REGR MEAN 1.30769 4.76307 4.03384 3.15385 784.23071 2.24307 2.15385 3.61538 S-SIZE DENT VARIAL ANAL RCE OF VARIA GRESSION ABOUT REGR	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67567         1.50214         13         BLE IS NOW N         YSIS OF VARI         LINFAR         ATION	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESS ION D.F. SO 8 218 4 12 12 40 REG. COEFF.	STD.ERROR OF REG.COF O.85648 O.89791 O.37760 O.00002 O.38368 O.00028 O.44096 O.42442 ABLE 104 I E MULTIPLE UM UF UARES .76595 .15714 .92308 STD.ERROR OF REG.COE	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT NEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FICIENT OF TIPLE CORR. F VALUE 1.1831 PARTIAL CORR. COE.	SUM OF SQ. AODEO 0.43628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.s. SUM OF SQ. A00E0	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384
ARTABLE NDa 1 2 3 7 13 8 9 10 11 4 5 SAMPLE DEPEND 5 SOUR E TO REG VIATION RIABLE NO. 1	ABOUT         REGR           MEAN         1.30769           1.30769         4.76307           4.03384         3.15385           784.23071         2.24307           2.15385         3.61538           SIZE         2.24307           2.15385         3.61538           SIZE         ANAL           CE OF VARIAL         ANAL           RESSION         ABOUT REGR           MEAN         1.30769	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67567         1.50214         BLE IS NOW N         YSTS OF VARI         LINFAR         ATION	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESS ION D.F. S0 8 28 4 12 12 40 REG. COEFF. -0.25114	STD. ERROR OF REG. COF 0. 85648 0. 89791 0. 3 7760 0. 00002 0. 3 8368 0. 00028 0. 44096 0. 42442 ABLE 104 I E HULTIPLE UM UF UARES .76595 .15714 .92308 STD. ERROR OF REG.COE. 1.31221	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FICIENT OF	SUN OF SQ. AODEO 0.47628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.s. SUN OF SQ. A00E0 2.85858	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384
ARIABLE ND. 1 2 3 7 13 8 9 10 11 4 5 SAMPLE DEPEND SOUR E TO REG VIATION RIABLE NO.	ABOUT         REGR           MEAN         1.30769           1.30769         4.03384           3.615385         784.23071           2.24307         2.15385           3.61538         3.61538           SIZE         SIZE           ENT VARIAL         ANAL           CE OF VARIAL         ANAL           RESSION         ABOUT REGR           MEAN         1.30769           4.76307         4.76307	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67567         1.50214         BLE IS NOW N         YSTS OF VARI         LINFAR         ATION         STO.         DEVIATION         STO.         DEVIATION         C.63043         0.73257	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESS ION D.F. 5 0.28 4 12 12 40 REG. COEFF. -0.25114 0.09963	STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I E MULTIPLE UM UF UARES .76595 .15714 .92308 STD.ERROR OF REG.COE 1.31221 1.37569	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138 0.07242	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF : TIPLE CORR. F VALUE 1.1831 	SUM OF SQ. <u>AODEO</u> 0.43628 4.58369 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.S. SUM OF SQ. <u>A00EO</u> 2.85858 <u>3.61806</u>	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384
ARTABLE NDa 1 2 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR E TO REG VIATION RTABLE NO. 1 3 4	ABOUT REGR           MEAN           1.30769           4.76307           4.03384           3647.15234           3.15385           784.23071           2.24307           2.15385           3.61538           SIZE           ENT VARIAL           ANAL           RES SION           ABOUT REGR           MEAN           1.30769           4.76307           4.03384	STO.         TOTAL         TOTAL         TOTAL         STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.46327         2178.22437         1.46327         1.46327         2178.22437         1.8952         1.67567         1.50214         BLE IS NOW N         YSIS OF VAR         LINFAR         ATION         ESSION         TOTAL         STO.         DFVIATION         C.63043         0.73257         1.42110	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -C.30849 TA NO. 6 ANCE FOR TH REGRESSION D.F. SO 8 28 4 12 12 40 REG. COEFF. -0.25114 0.09963 0.83868	STD. ERROR OF REG. COF 0. 85648 0. 89791 0. 37760 0. 00002 0. 38368 0. 00028 0. 44096 0. 42442 ABLE 104 I E HULTIPLE UM UF UARES .76595 .15714 .92308 STD. ERROR OF REG.COE 1. 31221 1. 37569 0. 57851	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138 0.07242 1.44971	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF F TIPLE CORR. F VALUE 1.1831 PARTIAL CORR. CDE. -0.09526 0.3618 0.58689	SUM OF SQ. <u>AODEO</u> 0.43628 4.58369 0.90996 <u>3.41328</u> 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.s. SUM OF SQ. <u>AODEO</u> 2.85858 <u>3.61806</u> 5.75200	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384
ARIABLE ND. 1 2 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR E TO REG VIATION RIABLE NO. 1 3 4 7 13	ABOUT         REGR           MEAN         1.30769           1.30769         4.76307           4.03384         3.15385           784.23071         2.24307           2.15385         3.61538           3.61538         3.61538           SESIZE         ANAL           CE         OF           VARIAL         ANAL           RESSION         ABOUT           ABOUT         REGR           MEAN         1.30769           4.76307         4.03384           4.47.15234         3.61538	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67562         1.50214         BLE IS NOW N         YSIS OF VARILINFAR         ATTON         STO.         DEVIATION         STO.         0.73297         1.42110         25361.06250	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -C.30849 TA IO. 6 ANCE FOR TH REGRESS ION D.F. 5 0.0 8 28 4 12 12 40 REG. COEFF. -0.25114 0.09363 0.83868 0.00005	STD. ERROR OF REG.COF 0. 85648 0. 89791 0. 37760 0. 30002 0. 38368 0. 00028 0. 44096 0. 42442 ABLE 104 I E MULTIPLE UM UF UARES .76595 .15714 .92308 STD. ERROR OF REG.COE 1. 31221 1. 37569 0. 57851 0.00004	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT NEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138 0.07242 1.44971 1.30697	CORR. COE. -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF F TIPLE CORR. F VALUE 1.1831 PARTIAL CORR. COE. -0.09526 0.3618 0.58689 0.54704	SUM OF SQ. AODEO 0.49628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.5. SUM OF SQ. AODEO 2.85858 3.61806 5.75200 5.78472	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.8384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.9384 0.93844 0.93844 0.93844 0.93844 0.93844 0.93844 0.93844 0.938440000
ARIABLE ND. 1 2 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR E TO REG VIATION RIABLE NO. 1 3 - 4 7 13 8	ABOUT         REGR           MEAN         1.30769           1.30769         4.03384           3.15385         784.23071           2.24307         2.15385           3.61538         3.61538           S-SIZE         SENT VARIAL           ENT VARIAL         ANAL           CE OF VARIAL         ANAL           GRESSION         ABOUT REGR           NEAN         1.30769           4.76307         4.03384           3.15385         3.15385	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67567         1.50214         13         BLE IS NOW N         YSIS OF VARI         LINFAR         ATION	4 5 12 27 REG. COEFF. -0.54210 0.66001 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESSION D.F. SO 8 218 4 12 12 40 REG. COEFF. -0.25114 0.09963 0.83868 0.0005 0.06874	STD. ERROR OF REG.COF 0. 85648 0. 89791 0. 37760 0. 00002 0. 38368 0. 00028 0. 44096 0. 42442 ABLE 104 I E HULTIPLE UM OF UARES .76595 .15714 .92308 STD. ERROR OF REG.COE 1. 31221 1. 37569 0. 57851 0.0004 0. 58784	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT NEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138 0.07242 1.44971 1.30697 0.11694	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FICIENT OF FIPLE CORR. F VALUE 1.1831 PARTIAL CORR. CDE. -0.9526 0.03618 0.58689 0.54704 0.05837	SUM OF SQ. AODEO 0.43628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.5. SUM OF SQ. A00EO 2.85858 3.61806 5.75200 5.78472 1.25420	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384 0.8384 0.8384 0.0698 0.0698 0.0688 0.0688 0.14056 0.14056 0.14056 0.14056 0.0308
ARTABLE ND_ 1 2 7 1 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR VIATION VIATION I RTABLE NO. 1 3 4 9 9 9	ABOUT         REGR           MEAN         1.30769           1.30769         4.03384           3647.15234         3.15385           784.23071         2.24307           2.15385         3.61538           3.61538         3.61538           SCIZE         ANAL           CE OF VARIAL         ANAL           GRESSION         ABOUT REGR           MEAN         1.30769           4.76307         4.03384           3.15385         784.23071	STO.         OE VIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67567         1.50214         BLE IS NOW N         YSTS OF VARI         LINFAR         ATION	4 5 12 27 REG. COEFF. -0.54210 0.66000 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESS ION D.F. SO 8 28 4 12 12 40 REG. COEFF. -0.25114 0.09963 0.83868 0.00055 0.06874 -0.00050	5.17914 2.07693 STD.ERROR OF REG.COF 0.85648 0.89791 0.37760 0.00002 0.38368 0.00028 0.44096 0.42442 ABLE 104 I E HULTIPLE UM UF UARES .76595 .15714 .92308 STD.ERROR OF REG.COE 1.31221 1.37569 0.57851 0.0004 2.58784 0.00042	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT MEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138 0.07242 1.44971 1.30697 0.11694 -1.18540	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FICIENT OF	SUN OF SQ. AODEO 0.43628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.s. SUN OF SQ. A00E0 2.85858 3.61806 5.75200 5.78472 1.25420 9.09635	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384 0.8384 0.8384 0.14136 0.0698 0.22221 0.3368 0.14135 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.03685 0.0365 0.03655 0.03655 0.03655 0.03655 0.036555 0.03655555 0.0365555
ARIABLE ND. 1 2 3 7 13 8 9 10 11 4 SAMPLE DEPEND SOUR E TO REG VIATION RIABLE NO. 1 3 - 4 7 13 8	ABOUT         REGR           MEAN         1.30769           1.30769         4.03384           3.15385         784.23071           2.24307         2.15385           3.61538         3.61538           S-SIZE         SENT VARIAL           ENT VARIAL         ANAL           CE OF VARIAL         ANAL           GRESSION         ABOUT REGR           NEAN         1.30769           4.76307         4.03384           3.15385         3.15385	STO.         OEVIATIO         0.63043         0.73297         1.42110         25361.06250         1.46327         2178.22437         1.18952         1.67567         1.50214         13         BLE IS NOW N         YSIS OF VARI         LINFAR         ATION	4 5 12 27 REG. COEFF. -0.54210 0.66001 0.19341 0.00055 0.11748 -C.00055 0.27194 -0.30849 TA NO. 6 ANCE FOR TH REGRESSION D.F. SO 8 218 4 12 12 40 REG. COEFF. -0.25114 0.09963 0.83868 0.0005 0.06874	STD. ERROR OF REG.COF 0. 85648 0. 89791 0. 37760 0. 00002 0. 38368 0. 00028 0. 44096 0. 42442 ABLE 104 I E HULTIPLE UM OF UARES .76595 .15714 .92308 STD. ERROR OF REG.COE 1. 31221 1. 37569 0. 57851 0.0004 0. 58784	COMPUTEO T VALUE -0.63293 0.73504 0.51221 1.97726 0.30619 -1.97824 0.61670 -0.72685 COEE MULT NEAN SQUAPES 3.59574 3.03928 COMPUTED T VALUE -0.19138 0.07242 1.44971 1.30697 0.11694	CORR. CDE, -0.30172 0.34496 0.24810 0.70305 0.15133 -0.70323 0.29466 -0.34157 5,000 KEY FFICIENT OF FICIENT OF FIPLE CORR. F VALUE 1.1831 PARTIAL CORR. CDE. -0.9526 0.03618 0.58689 0.54704 0.05837	SUM OF SQ. AODEO 0.43628 4.58369 0.90996 3.41328 1.31884 9.09044 1.40131 0.68402 22 DET ER MINATION COE FFICIENT P n.5. SUM OF SQ. A00EO 2.85858 3.61806 5.75200 5.78472 1.25420	CU4. 0.0183 0.1692 0.0336 0.1260 0.0487 0.3357 0.0517 0.0252 0.7029 0.8384 0.8384 0.8384 0.8384 0.14050 0.14030 0.14030 0.14133 0.0308

## TABLE 105 LESS THAN 25,000 KEY 22

SAMPLE SIZE	13		
DEPENDENT VAR	LABLE IS NO	W NO. 5	
A	NALYSIS OF V	ARIANCE FOR	THE MULTIP
		R REGRESSI	DN
SOURCE OF V	ARTATIÛN	D.F.	SUN OF

# COEFFICIENT OF DETERMINATION0.9652MULTIPLE CORR. COEFFICIENT0.9824

50	JRCE OF VAR	IATION		UN OF	MEAN	F		
				WARES	SQUARES	VALUE	ρ	
	EGRESSION			.18323	3.89790	13.8658		
EVIALIU	N_ABOUT_REGR	TOTAL		.12447	0.28112		<.05	
				.30769				
ARIABLE	PEAN	STD.	REG.	STD.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. V
NO.		OEVIATION		OF REG.COE		CORR. COE.		CUN.
1	1.30769	0.63043	-0.18334	0.39908	-0.45941	-0.22388	0.90447	0.028
3	4.76307	<u>0.7</u> 3297	-0.38409	0.41839	-0.91803	-0.41718	0.32856	0.010
4	4.03384	1.42110	1.27852	0.17594	7.26671	0.96415	8.85086	0.273
		25361.06250	0.00000	0.00001	0.18841	0.09380	1.07803	0.033
8	3.15385	1.46322	-0.12348	0.17878	-0.69070	-0.32644	5.40221	0-167
<u>9</u> 10	784.23071	2178.22437	-C.00063	0.00013	-4.92420	-0.92650	10.47275	0.324
10	2.24307 2.15385	1.18952 1.67562	0.47501 -0.34488	0.20547 0.19776	2.31181	0.75628	3.29149	0.101
<u></u>	3.23077	1.64082	-0.34400	0.19//0	-1.74393	-0.65722	0.85493	0.026
<u>_</u>							<b></b>	
			TA	BLE 106	LESS THAN 2	5,000 KEY	22	
SAMPLI		13			COEI	FICIENT OF I	DETERMINATION	0.8452
DEDEM								
DEPENI	JENT VARIAI	BLE IS NOW N	0.2					
DEPENI		BLE IS NOW N		E MULTIPLE			COEFFICIENT	
	ANAL	YSIS OF VARI		E MULTIPLE				
		YSIS OF VARI	ANCE FOR TH Regression	E MULTIPLE				0.9193
Sou	ANAL JRCE OF VÁRI	YSIS OF VARI Linear Ation	ANCE FOR TH REGRESSION D-F- SI SQ	UM OF UARES	MUL? HEAN SQUARES	FIPLE CORR.		
SOU	ANAL JRCE OF VARI	USIS OF VARI	ANCE FOR TH REGRESSION D.F. Si SQ 8 24	UH OF UARES .70499	MULT MEAN SQUARES 3.08812	FIPLE CORR.	P	
SOU	ANAL JRCE OF VÁRI	YSIS OF VARI LINEAR ATION	ANCE FOR TH <u>REGRESSION</u> D.F. 50 <u>50</u> 8 24 4 4	UM OF UARES .70499 .52579	MUL? HEAN SQUARES	FIPLE CORR.	COEFFICIENT	
SOU	ANAL JRCE OF VARI	YSIS OF VARI LINEAR ATION	ANCE FOR TH <u>REGRESSION</u> D.F. 50 <u>50</u> 8 24 4 4	UH OF UARES .70499	MULT MEAN SQUARES 3.08812	FIPLE CORR.	P	
SOU JE TO RE VIATION	ANAL JRCE OF VARI GRESSION ABOUT REGR	YSIS OF VARI LINEAR ATION EESSION TOTAL	ANCE FOR TH <u>REGRESSION</u> D-F- 51 8 24 4 4 12 29	UN OF UARES .70499 .52579 .23077	MUL? MEAN SQUARES 3.08812 1.13145	FIPLE CORR.	COEFFICIENT	0.9193
SOU JE TO RE VIATION RIABLE	ANAL JRCE OF VARI	YSIS OF VARI LINEAR ATION EESSION TOTAL STO.	ANCE FOR TH REGRESSION D.F. 51 8 24 4 4 12 29 REG.	UH OF UARES .70499 .52579 .23077 .53077	MUL: SQUARES 3.08812 1.13145 COMPUTEO	FIPLE CORR. VALUE 2.7294 PARTIAL	COEFFICIENT	0.9193
SOU IE TO RE VIATION	ANAL JRCE OF VARI GRESSION ABOUT REGR	YSIS OF VARI LINEAR ATION EESSION TOTAL	ANCE FOR TH REGRESSION D.F. SU 8 24 4 4 12 29 REG. COEFF.	UN OF UARES .70499 .52579 .23077 STO. ERROR OF REG.COE	MULT SQUARES 3.08812 1.13145 COMPUTEO . T VALUE	PARTIAL CORR. COE.	COEFFICIENT	0.9193
SOU JE TO RE VIATION RIABLE NO.	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN	YSIS OF VARI LINEAR ATION ESSION TOTAL STO. OEVIATION	ANCE FOR TH REGRESSION D.F. 51 8 24 4 4 12 29 REG.	UH OF UARES .70499 .52579 .23077 .53077	MUL <u>SQUARES</u> <u>3.08812</u> <u>1.13145</u> <u>COMPUTEO</u> <u>T VALUE</u> <u>0.80711</u>	PARTIAL CORR. COE. 0.37423	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271	0.9193
SOU JE TO RE VIATION ARIABLÉ NO. 1 3 4	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384	YSIS OF VARI           LINEAR           ATION           ESSION           TOTAL           STO.           OEVIATION           0.63043           0.73297           1.42110	ANCE FOR TH <u>REGRESSION</u> D-F- S 0 8 24 4 4 12 29 REG. COEFF. 0.64620	UN OF UARES .70499 .52579 .23077 STO.ERROR OF REG.COE 0.80064	MULT SQUARES 3.08812 1.13145 COMPUTEO . T VALUE	PARTIAL CORR. COE.	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271 0.01465	0.9193
SOU JE TO RE VIATION ARIABLE NO. 1 3 4 7 1	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384	YSIS OF VARI LINEAR ATION ESSION TOTAL STO. OEVIATION 0.63043 0.73297	ANCE FOR TH <u>REGRESSION</u> D.F. SU 8 24 4 4 12 29 REG. <u>COEFF.</u> 0.64620 -2.25833	UN OF UARES .70499 .52579 .23077 STO.ERROR OF REG.COE 0.80064 0.83937	MUL MEAN SQUARES 3.08B12 1.13145 COMPUTEO . T VALUE 0.80711 -2.69051	FIPLE CORR. F VALUE 2.7294 PARTIAL CORR. COE. 0.37423 -0.80256	COEFFICIENT p n.s. SUM OF SQ. A00E0 0.97271 0.01465 16.20667	0.9193 PROP. V CUM. 0.033 0.000 0.554
SOU JE TO RE EVIATION ARIABLÉ NO	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385	YSIS OF VARI LINEAR ATION ESSION TOTAL STO. OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322	ANCE FOR TH <u>REGRESSION</u> D.F. SU 8 24 4 4 12 29 REG. <u>COEFF.</u> 0.64620 -2.25833 0.65933	UN OF UARES .70499 .52579 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .230	MUL MEAN SQUARES 3.08812 1.13145 COMPUTEO . T VALUE 0.80711 -2.69051 1.86791	PARTIAL CORR. COE. 0.37423 0.68257	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271 0.01465	0.9193 PROP. V CUM. 0.033 0.000 0.554 0.007
SOU JE TO RE EVIATION ARIABLE NO. 1 3 4 7 1 8 9	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071	YSIS OF VARI LINEAR ATION ESSION TOTAL OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437	ANCE FOR TH <u>REGRESSION</u> D.F. <u>SQ</u> 8 24 4 4 12 29 <u>REG.</u> <u>COEFF.</u> 0.64620 <u>-2.25833</u> 0.65933 <u>-0.00003</u>	UN OF UARES .70499 .52579 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .23077 .230	MUL SQUARES 3.08812 1.13145 COMPUTEO . T VALUE 0.80711 -2.69051 1.86791 -1.16553	PARTIAL CORR. COE. 0.37423 -0.80256 0.68257 -0.50351	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271 0.01465 16.20667 0.22577	0.9193 PROP- V. CUM_ 0.033 0.000 0.554 0.007 0.007
SOU UE TO RE EVIATION ARIABLE NO. 1 3 4 7 1 8 9 10	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307	YSIS OF VARI LINEAR ATION ESSION TOTAL OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437 1.18952	ANCE FOR TH <u>REGRESSION</u> D.F. SU 8 24 4 4 12 29 REG. <u>COEFF.</u> 0.64620 -2.25833 0.65933 -0.00003 -0.12276 0.0003 0.28667	UN OF UARES .70499 .52579 .23077 STO.ERROR OF REG.COE O.80064 O.83937 O.35298 O.0002 O.35866 O.00026 O.41221	MUL SQUARES 3.08812 1.13145 COMPUTEO T VALUE 0.80711 -2.69051 1.86791 -1.16553 -0.34226	PARTIAL CORR. COE. 0.37423 -0.80256 0.68257 -0.50351 -0.16868	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271 0.01465 16.20667 0.22577 0.15387	0.9193 PROP. V. CUM. 0.033 0.000 0.554 0.005 0.007 0.005 0.0089
SOU UE TO RE EVIATION ARIABLE NO. 1 3 4 7 1 8 9 10 11	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3.647.15234 3.15385 784.23071 2.24307 2.15385	YSIS OF VARI LINEAR ATION TOTAL STO. OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437 1.18952 1.67562	ANCE FOR TH <u>REGRESSION</u> D.F. <u>SQ</u> 8 24 4 4 12 29 <u>REG.</u> <u>COEFF.</u> 0.64620 <u>-2.25833</u> 0.65933 <u>-0.00003</u>	UN OF UARES :70499 .52579 .23077 STO. ERROR OF REG.COE 0.80064 0.83937 0.35298 0.00002 0.35866 0.00026	MUL SQUARES 3.08812 1.13145 COMPUTEO . T VALUE 0.80711 -2.69051 1.86791 -1.16553 -0.34226 0.12135	PARTIAL CORR. COE. 0.37423 -0.80256 0.68257 -0.16868 0.06056	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271 0.01465 16.20667 0.22577 0.15387 2.61153	0.9193
SOU JE TO RE EVIATION ARIABLE NO. 1 3 4 7 1 8 9 10	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307	YSIS OF VARI LINEAR ATION ESSION TOTAL OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437 1.18952	ANCE FOR TH <u>REGRESSION</u> D.F. SU 8 24 4 4 12 29 REG. <u>COEFF.</u> 0.64620 -2.25833 0.65933 -0.00003 -0.12276 0.0003 0.28667	UN OF UARES .70499 .52579 .23077 STO.ERROR OF REG.COE O.80064 O.83937 O.35298 O.0002 O.35866 O.00026 O.41221	MUL SQUARE S 3.08812 1.13145 COMPUTEO T VALUE 0.80711 -2.69051 1.86791 -1.16553 -0.34226 0.12135 0.69543	PARTIAL CORR. COE. 0.37423 -0.80256 0.68257 -0.50351 -0.16868 0.66056 0.32843	COEFFICIENT p n.s. SUM OF \$Q. A00E0 0.97271 0.01465 16.20667 0.22577 0.15387 2.61153 0.04339	0.9193 PROP. V CUM. 0.033 0.000 0.554 0.007 0.005 0.089 0.001
SOU JE TO RE EVIATION ARIABLE NO. 1 3 4 7 1 8 9 10 11	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3.647.15234 3.15385 784.23071 2.24307 2.15385	YSIS OF VARI LINEAR ATION TOTAL STO. OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437 1.18952 1.67562	ANCE FOR TH <u>REGRESSION</u> D.F. SU 8 24 4 4 12 29 REG. <u>COEFF.</u> 0.64620 -2.25833 0.65933 -0.0003 -0.12276 0.0003 0.28667 0.78915	UN OF UARES .70499 .52579 .23077 OF REG.COE OF REG.COE O.80064 O.83937 O.35298 O.00022 O.35866 O.00026 O.41221 O.39674	MUL SQUARE S 3.08812 1.13145 COMPUTEO T VALUE 0.80711 -2.69051 1.86791 -1.16553 -0.34226 0.12135 0.69543	PARTIAL 2.7294 PARTIAL CORR. COE. 0.37423 -0.80256 0.68257 -0.50351 -0.16868 0.68056 0.32843 0.70517	COEFFICIENT p n.s. SUM OF SQ. A00E0 0.97271 0.01465 16.20667 0.22577 0.15387 2.61153 0.04339 4.47643	0.9193 PROP. V CUM. 0.033 0.000 0.554 0.007 0.005 0.089 0.001
SOU JE TO RE VIATION RIABLE NO. 1 3 4 7 1 8 9 10 11	ANAL JRCE OF VARI GRESSION ABOUT REGR MEAN 1.30769 4.76307 4.03384 3647.15234 3.15385 784.23071 2.24307 2.15385 3.46154	YSIS OF VARI LINEAR ATION TOTAL STO. OEVIATION 0.63043 0.73297 1.42110 25361.06250 1.46322 2178.22437 1.18952 1.67562	ANCE FOR TH <u>REGRESSION</u> D.F. SU 8 24 4 4 12 29 REG. <u>COEFF.</u> 0.64620 -2.25833 0.65933 -0.0003 -0.12276 0.0003 0.28667 0.78915	UN OF UARES .70499 .52579 .23077 OF REG.COE OF REG.COE O.80064 O.83937 O.35298 C.00022 O.35866 O.00026 O.41221 O.39674	MUL SQUARES 3.08B12 1.13145 COMPUTEO T VALUE 0.80711 -2.69051 1.86791 -1.16553 -0.34226 0.12135 0.69543 1.98907 LESS THAN 25	PARTIAL CORR. COE. 0.37423 -0.80256 0.68257 -0.50351 -0.16868 0.06056 0.32843 0.70517 5,000 KEY	COEFFICIENT p n.s. SUM OF SQ. A00E0 0.97271 0.01465 16.20667 0.22577 0.15387 2.61153 0.04339 4.47643	0.9193 PROP. V CUM. 0.033 0.000 0.554 0.007 0.0055 0.089 0.089

DEPENDENT VARIABLE IS NOW	DEPENDENT VARIABLE IS NOW NO 4 ANALYSIS OF VARIANCE FOR THE FULTIPLI				F DETERMINATION R. COEFFICIENT	0.8786
ANALYSIS OF VAR				_		
SOURCE OF VARIATION	C.F.	SUN OF SQUARES	MEAN SQUARES	F	р	•
DUE TO REGRESSION	8	31.90131 4.40639	3.9876		n.s.	
TOTAL	12	36.30769			;	

VARIABLE NO.	E NEAN	STD. OEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUM OF SQ.	PROP. VAR. CUM.
1	1.30769		1.07059	0.79001	1.35517	0.56095	3.22705	0.08888
	<u> </u>		-2.31271 0.70017	<u>0.82822</u> 0.34829	-2.79237	<u>-0.81299</u> 0.70893		
		25361.06250	-0.00002	0.00002	-1.09667	-0.48080	1.51302	0.04167
9	3.15385 784.23071	1.46322 2178.22437	-0.31634 0.00002	0.35390 0.00026	-0.89388 0.06505	-0.40804 0.03250	1.32873 2.64624	0.03660 0.07288
10	2.24307		0.34000	0.40674	0.83593	0.38564	0.00444	0.00012
	2.15385		0.79790	0.39147	2.03819	0.71377	4.57627	0.12604

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SAMPLE SIZE	13
DEPENDENT VARIA	ABLE IS NOW NO. 3
AN	ALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION
	CINCAN REGRESSION

#### COEFFICIENT OF DETERMINATION 0.9038 MULTIPLE CORR. COEFFICIENT 0.9507

COEFFICIENT OF DETERMINATION0.9175MULTIPLE CORR. COEFFICIENT0.9579

0.9579

LINEAR	REGRES	S ION				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE	р	
JUE TO REGRESSION	8	37.68130	4.71016	4.6972		
DEVIATION ABOUT REGRESSION	4	4.01102	1.00275		n.s.	
TOTAL	12	41.69232				

VARIABLE NO.	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUN OF SQ.	PROP. VAR. CUM.
1	1.30769	C. 63043	0.99888	0.75373	1.32524	0.55237	1.43424	0.03440
5	4.76307	0.73297	-2.85500	0.79019	-3.61304	-0.87490	0.29611	0.00710
6	4.03384	1.42110	0.72641	0.33230	2.18604	0.73781	21.02710	0.50434
		25361.06250	-0.00005	0.00002	-2.53137	-0.78465	0.00381	0.0009
8	3.15385	1.46322	-0.39151	0.33765	-1.15951	-0.50157	3.41981	2.08202
9	784.23071	<u>2178.22437</u>	-0.00013	0.00024	-0.51636	-0.24999	2.45437	0.05887
10	2.24307	1.18952	0.54875	0.38806	1.41409	0.57732	0.01217	0.00029
<u>_1</u> 1	2.15385	1.67562	1.12106	0.37350	3.00149	0.83218	9.03371	0-21668
3	3.84615	1.86396						

TABLE 109 LESS THAN 25,000 **KEY 21** 

SAMPLE SIZE DEPENDENT VAR	13 IABLE IS NOW	NO. 2	
Α		RIANCE FOR REGRESSI	THE MULTIPLE
SOURCE OF V	ARTATION	DeFe	SUM OF

	KEGKES	21UN				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	F		
		SQUAR ES	SOHARES	VATUE	p	
OUE TO REGRESSION		57.73271	7.21559	5.5615		
DEVIATION ABOUT REGRESSION	4	5.19038	1.29760		n.s.	
TOTAL	12	62.92310				

VARIABLE	E MEAN	STO.	REG.	STO.ERROR	COMPUTEO	PARTIAL	SUM OF SQ.	PROP. VAR.
<u>NO</u>		<u> </u>	COEFF.	OF REG.COE.	T VALUE	CORR. COE.	A00E0	CUM.
1	1.30769	0.63043	1.92830	C.85741	2.24898	0.74727	5.90694	0.09388
	4.76307	<u> </u>	-3.35833	0.89889	-3.73609	-0.88163	Q.1421I	0.00226
6	4.03384	1.42110	0.74292	0.37800	1.96537	0.70092	31.45395	0.49988
	13647.15234	25361.06250	-0.00007	0.00002	-2.89513	-0.82277	0.12145	0.00193
8	3.15385	1.46322	-0.53786	0.38410	-1.40032	-0.57356	5.67689	0.09022
	784.23071	2178.22437	-0.00017	0.00028	-0.60005	-0.28738	1.11832	0.01777
10	2.24307	1.18952	0.21482	0.44144	0.48663	0.23642	1.17023	0.01860
_11	2.15385	1.67562	1.29974	0.42488	3.05910	0.83700	12.14300	0.19298
2	4.92308	2.28989						

TABLE 110 LESS THAN 25,000 **KEY 20** 

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW 1			COP MUI	0.9358 0.9674		
ANALYSIS OF VAR LINEAR	REGRES	OR THE MULTIPLE				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE		
OUE TO REGRESSION	8	58.88606	7.36076	7.2932		
DEVIATION ABOUT REGRESSION	4	4.03703	1.00926		<.05	
TOTAL	12	62.92310				

NO.	MEAN	STD. DEVIATION	REG. COEFF.	STD. RROK	COMPUTED T VALUE	PARTIAL CORR. COE.	SUN OF SQ.	PROP. VAF.
1	1.30769	C. 63043	1.93883	0.75617	2.56400	0.78850	5.90694	0.09388
5	4.76307	0.73297	-3,78588	0.79275	-4.77562	-0-92238	1.24042	0.01971
6	4.03384	1.42110	0.85001	0.33337	2.54975	0.78684	31.96092	0.50794
	<u>13647.15234</u>	25361.06250	-0.00006	0.00002	-2.79139	-0.81289	0.14126	0.00224
8	3.15385	1.46322	-0.56299	0.33874	-1.66199	-0.63914	6.12634	0.09736
	<u>784.23071</u>	2178.22437	-0.00014	0.00024	<u>-0.57260</u>	-0.27525	2.23579	0.03553
10	2.24307	1.18952	0.44971	0.38932	1.15512	0.50015	0.11380	0.00181
<u> </u>	2.15385	1.67562	<u>1.24606</u>	0.37471	<u>3.32542</u>	0.85696	11.16075	0.17737
4	4-92308	2.28989						

#### TABLE 111 LESS THAN 25,000 **KEY 20**

SAMPLE SIZE 13 DEPENDENT VARIABLE IS NOW NO. 3 ANALYSIS OF VARIANCE FOR THE MULTIPLE COEFFICIENT OF DETERMINATION 0.4749 MULTIPLE CORR. COEFFICIENT 0.6892

COEFFICIENT OF DETERMINATION 0.9260

0.9623

MULTIPLE CORR. COEFFICIENT

LINEAR	REGRES	S ION				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN			
		SQUARES	SQUARES	VALUE	ρ	
OUE TO REGRESSION	8	2.01005	0.25126	0.4523		
OEVIATION ABOUT REGRESSION	4	2.22225	0.55556		n.s.	
TOTAL	12	4.23231				

VARIABLE	E MEAN	STD.	REG.	STD.ERROR	COMPUTED	PARTIAL		PROP. VAR.
<u>NO.</u>		DEVIATION	COEFF.	OF REG.COE.	T VALUE	COPR. COE.	AOOEO	CUM.
1	1.30769	C.63043	0.08169	0.56103	0.14560	0.07261	0.24666	0.05828
5	4.76307	0.73297	-0.39210	0.58817	-0.66665	-0.31622	0.03551	0.00839
6	4.03384	1.42110	0.05088	0.24734	0.20570	0.10231	0.21167	0.05001
7	13647.15234	25361.06250	-0.00001	0.00002	-0.78021	-0.36343	0.19987	0.04723
	3.15385	1.46322	0.09389	0.25133	0.37357	0.18361	0.04512	0.01066
9	784.23071	2178.22437	-0,00020	0.00018	-1.11881	-0.48821	0.22170	0.05238
10	2.24307	1.18952	0.11484	0.28885	0.39758	Ô.19497	0.02666	0.00630
11	2.15385	1.67562	0.37723	0.27801	1.35688	0.56143	1.02287	0.24168
3	0.35385	0.59388		•				

#### KEY 20 TABLE 112 LESS THAN 25,000

SAMPLE SIZE	13	
DEPENDENT VARI	ABLE IS NOW NO. 2	
A	NALYSIS OF VARIANCE FOR THE	MULTIPLE

LINEAR	REGRES	SION				
SOURCE OF VARIATION	D.F.	SUM OF	THEAN	·		
		SQUARES	SQUARES	VALUE	Ρ	
OUE TO REGRESSION	8	6.57487	0.02186	6.2540		
OEVIATION ABOUT REGRESSION	4	0.52565	0.13141		<.05	
TOTAL	12	7.10052				

VARIABLI NO.	E MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTEO T VALUE	PARTIAL Corr. Coe.	SUN OF SQ.	PROP. VAR. CUM.
1	1.30769	C.63043	-0.33541	0.27286	-1.22924	-0.52363	0.00302	0.00043
5	4.76307	0.73297	1.16406	0.28606	4.06931	0.89747	3.86619	0.54449
6	4.03384	1.42110	0.32470	0.12029	2.69923	0.80348	Ū, 16252	0.02289
.7	13647.15234	25361.06250	0.00001	0.00001	1.50765	0.60196	0.09900	0.01394
8	3.15385	1.46322	-0.03031	0.12223	-0.24800	-0.12306	0.03164	0.00446
9	784.23071	2178.22437	0.00012	0.00009	1.32506	0.55232	0.00644	0.00091
10	2.24307	1.18952	-0.03341	0.14048	-0.23790	-0.11807	0.36128	0.05088
<u> </u>	2.15385	1.67562	-0.53336	0.13521	-3.94463	-0.89191	2.04479	0.28798
2	3.97000	0.76923						

TABLE 113 URBAN

KEY 1

0.8607

DEPENDENT VARIABLE IS NOW NO. 24 ANALYSIS OF VARIANCE FOR THE MULTIPLE

**\$1** 

COEFFICIENT OF DETERMINATION 0.7409 MULTIPLE CORR. COEFFICIENT

	- FLORES					
SOURCE OF VARIATION	n.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE	p	
DUE TO REGRESSION	8	92.43933	11.55492	7.8617		
OEVIATION ABOUT REGRESSION	22	32.33487	1.46977		<.01	
TUTAL	30	124.77420				

VARTABLE	MEAN	STD.	REG.	STD.FRROR	COMPLITED	PARTYAL	SUM OF SO.	PROP. VAR.
NO.		DEVIATION	COEFF.	DE REG.COE.	T VALUE	CORR. COF.	ADDED	C11M.
<b>1</b> .	- 1.51613	0.81121	-0.36569	0.29567	-1.23681	-0.25497	0.06831	0.00055
9.	5.12096	1.74700	-0.02042	0.18894	-0.10808	-0.02304	7.07080	0.05667
10	4.15451	1.60922	0.11908	0.24105	0.49402	0.10475	8.79111	0.07046
26	51526.73828	71016.43750	0.00000	0.00000	0.86347	0.18105	8.67893	0.06956
-27	2.67742	1.75854	0.54376	0,16959	3.20634	0.56434	52.78401	0.42304
28	1033.03223	4468.23828	-0.00003	0.00005	-0.63941	-0.13507	1.12507	0.00902
29	2.31645	0.95737	0.46681	0.38537	1.21131	0.25005	8,19531	0.06568
30	1.58064	2.12562	0.27724	0.14046	1.97385	0.38788	5.72635	0.04589
24	2.67742	2.03940						

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SAMPLE SIZE

TABLE 114 URBAN

KEY 1

COEFFICIENT OF DETERMINATION 0.7536 MULTIPLE CORR. COEFFICIENT 0.8681

ANALYSIS OF VAI LINFAP	REGRES		F			
SOURCE OF VARIATION	D.F.		HEAN SQUARES	F		
DUE TH REGRESSION	8	93.35349	<u>[1.66919</u>	8.4123	p	
DEVIATION ABOUT REGRESSION	22 30	30.51761 123.87109	1.39716		<.01	

VARIAREF	MEAN	- STN.	RFG.	STO.FRRCP	CUMPITED	PARTIAL	<u>- 5114 TIF - 50-</u>	PRIP. VAR.
NO.		OFVIATION	COEFF.	DE REG.COE.	T VALUE	CORR. COF.	ADDED	CIIM.
	1.51613	0.81121	-0.18475	0.28724	-0.64320	-0.13586	1.84320	0:01488
9	5.12096	1.74700	-0.03279	0.18356	-0.17856	-0.03804	4.62343	0.03732
10	4.15451	1.60927	0.14567	0.23418	0.67185	0.13143	5.14547	0.04154
26	51526.73828	71016.43750	0.0000	0.00000	0.34853	0.07410	8.38728	0.06771
-27	2.67742	1.75854	0.74742	0.16476	4.53654	0.69522	65.87033	0.53177
28	1033.03223	4468.23828	-0.00005	0.00005	-0.91325	-0.19112	1.29640	0.01047
- 29	2.31545	0.95737	0.12453	0.37439	0.33261	0.07074 -	2.13045	0.01725
30	1.58064	2.12562	0.23318	0.13645	1.70989	r.34233	4.05099	0.03270
23	2.93548	2.03200						

#### TABLE 115 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW NO. 22 ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION

SAMPLE SIZE

31 DEPENDENT VARIABLE IS NOW NO. 23

LINEAR	REDRES	× 1 U/W				
STURCE OF VARIATION	n.F.	STIM OF	MEAN	F	· · · · · · · · · · · · · · · · · · ·	
		SQUARES	SQUARES	VALUE	P	
DUE TO REGRESSION	8	36.50014	4.56252	6,3181		
DEVIATION AROUT REGRESSION	22	15.88707	0.72214		<.01	
TUL	30	52.38721				

VARTABLE NO.	HFAN	STD. DEVIATION	RFG. CNEFF.	STD.ERROR DF RFG.COF.	CAMPIJTED T VALUE	CORR. COF.	<u>          KUM OF 50.</u> ADDED	PPOP. VAR. CIM.
	1.51613		0.01568	0.20725	0.07567	0.01613	0.28089	0.00536
9	5.12096	1.74700	0.32912	0.13244	2.49508	0.46817	18.54590	0.35402
10	4.15451	1.60922	0.02978	0.16896	0.17623	0.03755	1.65377	0.03157
26	51526.73828	71016.43750	0.00000	0.0000	0.67315	0.14206	0.01419	0.00027
-27	2.67742	1.75854	-0.05903	0.11887	-0.49658	-0.10528	0.67338	0.01785
28	1033.03223	4468.23828	-0.00014	0.00004	-3.76955	-0.62634	13.20873	0.25214
29	2.31645	0.95737	0.46287	0.77013	1.71353	n.34315	1.75104	0.03342
30	1.58064	2.12562	-0.07070	0.09845	-0.71809	-0.15133	0.37236	0.00711
	4.29032	1.32145						

#### TABLE 116 KEY 1 URBAN

31 SAMPLE SIZE **DEPENDENT VARIABLE IS NOW NO. 25** ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION SOUPCE OF VARIATION n.F. <del>기) 박() /</del>

#### COEFFICIENT OF DETERMINATION 0.4756 MULTIPLE CORR. COEFFICIENT 0.6897

COEFFICIENT OF DETERMINATION 0.6967

0.8347

MULTIPLE CORR. COEFFICIENT

MFAN SQUARES SOHARES VALUE P 3.22195 25.77560 2.4941 R 22 28.41800 1.29173 <.05 TOTAL 30 54.19360

VARIABLE	<b>WFAN</b>	STD. DEVIATION	REG. CHEFF.	STD.FRRDA OF REG.COF.		HARTIAL CORR. COF.	SUN DE 50.	PRIP. VAR.
1 9	1.51613 5.12096		0.25659 0.36012	0.27718 0.17713	0.92572 2.03312	0.19363 0.39771	0.98930	0.01825
10 26	4.15451 51526.73828	1.60922 71016.43750	-0.04885 0.00000	0.22598	-0.21619 1.19912	-0.04604 0.24769	1.09385	0.02018
27	2.67742 1033.03223	1.75854 4468.23828	-0.31965 0.00003	0.15899 0.00005	-2.01057 0.55922	-0.39398 0.11839	1.65604	0.03056
<b>29</b> 30	2.31645	0.95737 2.12562	0.49481 0.10453	0.36128 0.13168	1.36960 0.79388	0.28030 0.16688	4.85886 0.81411	0.08966

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### TABLE 117 URBAN KEY 1

SAMPLE SIZE	31			
DEPENDENT VAL	RIABLE IS NOW	NO. 21		
	ANALYSIS THE W	ARTANCE FI	OR THE	MILTIPLE
	LINEAR	REGRES	STON	

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.9002<br/>0.9488

	REGRES	SION				
SOURCE OF VARIATION	D.F.	SUM THE	SOLAP ES		p	<u> </u>
DUE TO REGRESSION DEVIATION ABOUT REGRESSION	8 22	119.6983R 13.26939	14.96230 0.60315	74.8067	< .001	
TRITAL	30	132.96777				

VARIABLE NO.		STD. DEVIATION	RFG. COEFF.	STD.FRPOR DF REG.COE.	COMPLETEN T VALUE	PARTIAL COPR. COF.	SUM THE SQ.	- #4V - 41194 
1 9	1.51613 5.12096	0.81121 1.74700	-0.10659	0.18941 0.12104	-0.56274	-0.11912 .	5.56741 1.88871	0.04187
10 - 26	4.15451 51526.73828	1.60922 71016.43750	0.21051 0.00000	0.15442 0.00000	1.36323 0.96947	0.27910	3.50264	0.02634
27	2.67742 1033.03223	1.75854 4468.23828	0.95584 -0.00006	0.10864 0.00003	B.79825 -1.62547	-0.48244 -0.32745	86.55856	0.65097
29 30	2.31645 1.58064	0.95737 2.12562	-0.30706 0.29288	0.246R7 0.08998	-1.24378 3.25502	-0.25632	0.04029 6.39052	0.00030
-21	3.03226	2.10529						

### TABLE 118 URBAN KEY 1

SAMPLE SIZE DEPENDENT VARIA	31 BLE IS NOW NO.	20
ANA	ALYSIS OF VARIAN LINEAR PE	CE FOR THE WULTIPLE GRESSION

COEFFICIENT OF DETERMINATION0.8369MULTIPLE CORR. COEFFICIENT0.9148

D.F.	SUP DE	MEAN		· · · · · · · · · · · · · · · · · · ·	
	SOUAPES	SOUARES	VALUE	Ð	
8	94.54013	11.81752	14.1084		
22	18.42764	0.93762		< .001	
30	112.96777				
	8 22	S011AP FS 8 94.54013 22 18.42764	SOIIAPES         SOIIARES           8         94.54013         11.81752           22         18.42764         0.93762	SOUMPES         SOUMPES         VALUE           8         94.54013         11.81752         14.1084           22         18.42764         0.93762	SOHAPES         SOHAPES         VALUE         p           8         94.54013         11.81752         14.1084           22         18.42764         0.93762         <.001

MEAN	STD. DEVIATION	RÉG. COFFF.	STO_FRROP OF REG.COF.	COMPUTED T VALUE	PARTIAL CORR. COE.		PRIID, VAR.
1.51613 5.12096	0.81121 1.74700	0.08216	0.22321 0.14264	0.36809	0.07824	5.60174	0.04959
1526.73828		0.06530 0.00000	0.18197 0.00000	0.35887 0.89125	0.19669	5.17786	0.04535
1033.03223	4468.23828	-0.00005	0.12903	-1.20032	-0.24797	67.290×0 1.79480	0.01589
1.58064	2.12562	0.35199 0.15948	0.29093	1.20955	0.30535		0.01677
	1.51613 5.12096 4.15451 1526.73828 2.67742 1033.03223 2.31645	NEVIATION           1.51613         0.81121           5.12096         1.74700           4.15451         1.60922           1526.73828         71016.43750           2.67742         1.75854           1033.03223         4468.23828           2.31645         0.95737           1.58064         2.12562	NEVIATION         COFFF.           1.51613         0.81121         0.08216           5.12096         1.74700         -0.02235           4.15451         1.60922         0.06530           1526.73828         71016.43750         0.00000           2.67742         1.75854         0.70552           1033.03223         4468.23828         -0.00005           2.31645         0.95737         0.35189           1.58064         2.12562         0.15948	DEVIATION         COFFF.         OF REG.COF.           1.51613         0.81121         0.08216         0.22321           5.12096         1.74700         -0.02235         0.14264           4.15451         1.60922         0.06530         0.18197           1526.73828         71016.43750         0.00000         0.00000           2.67742         1.75854         0.70552         0.12903           1033.03223         4468.23828         -0.00005         0.00004           2.31645         0.95737         0.35159         0.29093           1.58064         2.12562         0.15948         0.10603	DEVIATION         COFFF.         OF REG.COF.         T VALUE           1.51613         0.81121         0.08216         0.22321         0.36809           5.12096         1.74700         -0.02235         0.14264         -7.15672           4.15451         1.60922         0.06530         0.18197         0.35887           1526.73828         71016.43750         0.00000         0.00000         0.89125           2.67742         1.75854         0.70552         0.12903         5.51071           1033.03223         4468.23828         -0.0005         0.00004         -1.20032           2.31645         0.95737         0.35189         0.29093         1.20955           1.58064         2.12562         0.15948         0.10603         1.50405	DEVIATION         COFFF.         OF REG.COF.         T VALUE         CORR.COF.           1.51613         0.81121         0.08216         0.22321         0.36809         0.07824           5.12096         1.74700         -0.02235         0.14264         -0.15672         -0.03340           4.15451         1.60922         0.06530         0.18197         0.45887         0.07624           1526.73828         71016.43750         0.00000         0.89125         0.18668           2.67742         1.75854         0.70552         0.12903         5.51071         0.76151           1033.03223         4468.23828         -0.00005         0.00004         -1.20032         -0.24797           2.31645         0.95737         0.35139         0.29093         1.20955         0.24971           1.58064         2.12562         0.15948         0.10603         1.50405         0.30535	DEVIATION         COFFF.         OF REG.COF.         T VALUE         CORR. COF.         ANDED           1.51613         0.81121         0.08216         0.22321         0.36809         0.07824         5.60174           5.12096         1.74700         -0.02235         0.14264         -7.15672         -0.03340         3.37785           4.15451         1.60922         0.06530         0.18197         0.45887         0.07629         5.12786           1526.73828         71016.43750         0.00000         0.00000         0.89125         0.18668         10.69102           2.67742         1.75854         0.70552         0.12903         5.51071         0.76151         62.29030           1033.03223         4468.23828         -0.00005         0.00004         -1.20032         -0.24792         1.79480           2.31645         0.95737         0.35139         0.29093         1.20955         0.24971         5.76714           1.58064         2.12562         0.15948         0.10603         1.59405         0.30535         1.89485

## TABLE 119 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW 1				0.8373 0.9151		
ANALYSIS OF VAP LINEAR	REGRES	THE MULTIPLE				
SOURCE OF VARIATION	P.F.	SOUARES	MEAN	VALUE		
DUF TO REGRESSION	8 22	109.17651 21.21069	13.64796	14.1549		
TOTAL	-30	130.38721				

NO.	MEAN	STD. DEVIATION	REG. COFFE.	STD. FRRDR DF RFG.COF.	T VALUE	PARTIAL CORP. COF.	<u>د مەرە مەرە</u> مەرە مەرە	PROP. VAR.
<u> </u>	1.51613 5.12096		-0.02528	0.23947 0.15303	-0.10558 -1.62192	-0.02250 -0.32681	6.53089 2.23011	0.05009
	4.15451 51526.73828	1.60972 71016.43750	0.44372	0.19523 0.00000	2.27022	-0.00845	10.16422	0.07795
27 28	2.67742 1033.03223	1.75854	0.99102	0.13735 0.00004	6.48706 -1.59750	0.81037	75.71297	0.98068
29 30	2.31645	0.95737 2.12562	-0.27707	0.31212 0.11376	-0.88769 2.27106	-0.18595 0.43580	0.02408	0.00018
19	3.29032	2.08476						

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### TABLE 120 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW NO. 18 AWALYSIS OF FARTANCE FOR THE MULTIPLE

### COEFFICIENT OF DETERMINATION 0.6592 MULTIPLE CORR. COEFFICIENT 0.8119

LINEAR	REGRES	SION				
STUPCE OF VARIATION	D.F.	SUN OF	SQUARES	F		
DUE TU REGRESSIUN	8	89.31569 46.16820	<u> </u>	5.3201	<u>P</u>	
TOTAL	30	135.48389				

VARIABL	E MEAN	STD.	REG.	STD. FRROR	COMPUTED	PARTIAL		PROP. VAR.
NO.	C TEAN	DEVIATION	COEFF.	OF REG.COF.	÷- · · ·	CORR. COF.	ANDED	CUM.
9	1.51613 5.12096	0.81121 1.74700	0.13590 -0.13002	0.35330 0.22577	0.38467 -0.57589	0.08174 -0.12187	8.47570	0.06256
10 26	4.15451 51526.73828	1.60922	0.23002 0.00000	0.28803 0.00000	0.79858 0.65355	0.16784 0.13801	5.71678 9.53650	0.04220 0.07039
27	2.67742	1.75854 4468.23828	0.66387 -0.00007	0.20264	3.27603 -1.12992	0.57261 -0.23420	53.77423 2.47517	0.39690
<del>29</del> 30	2.31645 1.58064	0.95737 2.12562	-0.06169	0.4604 <del>7</del> 0.16783	-0.13396 1.66796	-0.02855 0.33506	1.01967 5.83841	0.00753
18	3.12903	2.12512						

### TABLE 121 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW	NO. 17				F DETERMINATION R. COEFFICIENT
ANALYSIS OF VA	-	OR THE MULTIPLE			
SOURCE OF VARIATION	N.F.	SOUARES	MEAN SOUARES	VALUE	p
DUF TO REGRESSION	8	19.77725	2.47216	0.7592	
DEVIATION ABOUT REGRESSION	22	71.64218	3.25646		n.s
TÓTAL	30	91.41943			

VARIARE	MEAN	STD. • DEVIATION	PFG. COEFF.	STO.FRROR OF REG.COF.	COMPLITED T VALUE	CORR. COF.	SUM OF SQ.	PROP. VAP.
	1.51613	0.81121	0.57591 0.53968	0.44010	1.30859 1.91893	0.26873 0.37866	5.46511 6.84176	0.05978
10 26	4.15451 51526.73828	1.60922	-0.44767	0.35880 0.00001	-1.24768	-0.25707 -0.06302	4.51906 0.00468	0.04943
27	2.67742	1.75854 4468.23828	0.13519 0.00004	0.25243	0.53555 0.51210	0.11344 0.10854	1.52678 0.53278	0.01670
29 30	2.31645 1.58064	0.95737 2.12562	0.28710 -0.07500	0.57363 0.20907	0.50049 -0.35873	0.10510 -0.07626	0.46809 0.41908	0.00512 0.00458
17	4.22581	1.74566						

### TABLE 122 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW NO. 16 ANALYSIS OF VARIANCE FOR THE HULTIPLE LINEAR REGRESSION P.F. SUM OF

2

# COEFFICIENT OF DETERMINATION0.2403MULTIPLE CORR. COEFFICIENT0.4902

MULTIPLE CORR. COEFFICI

CINCAR	NEDAL	131014			•	
SPURCE OF VARIATION	₽.F.	40 MUZ	HEAN	F		
		SQUARES	SQUARES	VALHE	P _	
DUE TO REGRESSION	8	34.77341	4.34668	0.8698		
DEVIATION ABOUT REGRESSION	22	109.93631	4.99710		n.s.	
TUTAL	30	144.70972				

VARTABLE	MEAN	\$TD.	WEG.	STD.ERROR	CUMPTILED	PARTIAL	SUM THE SU.	ATA - GUNG
<u>_NO.</u>		DEVIATION	COFFF.	OF REG.COE.	T VALIJE	CORP. COF.	ADDED	CIIM.
-1	1.51613	0.81121	0.48686	0.54518	0.89303	0.18704	2.17210	0.01501
9	5.12096	1.74700	0.79550	0.34839	2.28336	0.43771	17.67091	0.12211
10-	4.15451	1.60972	-0.55709	0.44447	-1.25339	-0.25917	8.66800	0.05990
26	51526.73828	71016.43750	0.00000	0.00001	0.32711	0.06957	0.00318	0.00002
27	2.67742	1.75854	-0.29198	0.31270	-0.93371	-0.19524	5.05105	0.03490
28	1033.03223	4468.23828	0.00004	0.00010	0.36945	0.07831	0.40937	0.00283
29	2.31645	0.95737	0.28181	0.71059	0.39659	0.08425	0.70878	0.00490
30	1.58064	2.12562	-0.03477	0.25899	-0.13427	-0.02861	0.09009	0.00062
16	3.40322	2.19628						

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0.2163 0.4651

COEFFICIENT OF DETERMINAT	<b>FION 0.2300</b>
MULTIPLE CORR. COEFFICIEN	IT 0.4796

DEPEN		IABLE IS NOW P NALYSIS OF VAR LINEAR		NR THE MULTIPLE	M	0. 4796		
Sť	HRCF OF V	ARTATION	0.F.	SUM OF	MFAN	F		
				SQUARES	SOUARES	VALUE	P	
			8	49.65488	6.20686	0.9215		
TEVIATIC	IN ARDUT R	FGRESSION	22	166.21622	7.55528		<u>n.s.</u>	
	_	TOTAL	30	215.87109				
VARIARLE	MFAN				604047	P		
NO.	- PAN			FG. STD. FRROI			SUM OF SQ.	PROP. VAR
	1.516	<u>DEVIATIO</u> 13 0.81121		<u>FFF. OF PFG.CI</u> 0722 0.67036	<u>1.0549</u>			<u> </u>
9	5.120			AR94 0.42838	1.8416		4.0735A	0.01887
10	4.154		-0.6		-1.1439		<u>5.91293</u> 22.43013	0.02739
26		28 71016.43750	-0.0		-0.5291		22.43013	
27	2.677			2003 0.38450	0.0520		3.13635	0.01052
28	1033.032			0009 0.00012	0.7138		4.03423	0.01869
29	2.316		-0.0		-0.0909		2.19742	0:01018
30	1.580		-0.2		-0.8609		5.59978	0.02594
15	4.054							
				TABLE 124	URBAN	KEY I		
SAMPL	E SIZE	31			CC	EFFICIENT OF	DETERMINATION	0.3169
		IABLE IS NOW N	14				COEFFICIENT	0.5630
00100				NP THE MULTIPLE	141 (	DIFE CORR.	COEFFICIENT	0.3030
	A,	LINEAR						
<u>ر</u>	URCE OF VI		D.F.		MEAN			
50				SQUAPES	SQUARES	VALUE	D	
UE TO R	EGRESSION.		8.	15.04924	1.88116	1.2760		-
		GRESSION	22	32.43463	1.47430		n.s.	
		TOTAL	30	47.48389		· · · · · · · · · · · · · · · · · · ·	······································	

VARIARLI	F MEAN	STN.	RFG.	STD.FPROR	COMPLITEO	PAPTIAL	CIJM OF SO.	PROP. VAR.
NO.		DEVIATION	COFFF.	OF PEG.COF.	T VALUE	CUBA CUE	ANDED	r BM 🖕
1	1.51613	0.81121	0.13366	0.29612	0.45137	0.09579	0.00021	0.0000
9	5.12096	1,74700	0,43845	0.18923	2.31700	0.44?90	9,44032	0.19881
10	4.15451	1.60922	-0.17226	0.24142	-0.71351	-0.15039	0.07012	7.00148
26		71016.43750	-0.00000	<u>0.00000</u>	-2.05611	-0.01196	0.01655	0.00035
27	2.67742	1.75854	-0.11151	0.16985.	-0.65649	-0.13961	1.13708	0.02384
28	1033.03223	4468.23828	0.0008	0.00005	1.4?365	0.29044	2.06347	0.04346
29	2.31645	0.95737	0.43588	0.38597	1.12932	0.23408	0.84647	0.01783
30	1.58064	2.12562	-0.14095	0.14067	-1.00195	-0.20890	1.48008	0.03117
-14	4.87097	1.25809						

TABLE 125 URBAN

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KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW NO. 13 ANALYSIS OF VARIANCE FOR THE MULTIPLE 

# COEFFICIENT OF DETERMINATION0.2750MULTIPLE CORR.COEFFICIENT0.5244

SOUR	CE OF VAR	TATION	D.F.	-	UM OF	MEAN	F VALUE	0	
		RESSION	A 22		•66136 •20973	2.33267 2.23681	1.0429		
		TOTAL	30	67	.87109				
VAPIANE	MFAN	\$10.		REGA	STO. FRROR	COMPILITEO	PAPTIAL	50M DF 50.	PROP. VAR.
ND.		OEVIATION		DEEE	OF PEG.COE	••••••••	COPR. COF.	ADDED	CUM.

ND.		DEVIATION	COFFF.	NE PEG.COE.	T VALUE	COPR. COE.	ADDED	rijM.
1	1.51613	0.81121	0.38878	0.36475	1.06589	0.22160	0.82359	0.01213
9	5.12096	1.74700	<u>0.449</u> 00	0.23309	1.92633	0.37990	9.16848	0.13509
10	4.15451	1.60922	-0.21136	0.29737	-0.71078	-0.14983	0.28737	0.00423
26	51526.73828	71016.43750	0.00000	0.0000	0.05746	0.01438	0.29948	0.00441
27	2.67742	1.75854	-0.26770	0.20921	-1.27956	-0.26319	4.65017	0.06851
28	1033.03223	4468.23828	0.00006	0.00007	0.97937	0.20439	1.35829	0.02001
-29	2.31645	0.95737	0.44748	0.47541	0.94125	0.19675	1.24872	0.01840
30	1.58064	2.12562	-0.10525	0.17327	-0.60742	-0.12843	0.82529	0.01216
-13	4.93548	1.50412						

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SAMPLE SIZE

#### TABLE 126 URBAN KEY I

SAMPLE SIZE 31	
DEPENDENT VARIABI	LE IS NOW NO. 12
ANAL	ISTS OF VARIANCE FOR THE MULTIPLE
	LINEAR REGRESSION

COEFFICIENT OF DETERMINATION	0.4843
MULTIPLE CORR. COEFFICIENT	0.6959

LINEAR	REGRES	SION				
SOURCE OF VARIATION	U.F.	SUM OF	MEAN			
		SQUARES	SOUARES	VALUE	P	
DUE TO REGRESSION	8 -	33.87114	4+23389	2.5828		
DEVIATION ABOUT REGRESSION	22	36.06441	1.63929		<.05	
VÜTAL	30	69.93555				

NO.	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF RFG.COE.	COMPUTED T VALUE	PARTIAL CORR. COE.	SUP OF SQ.	PROP. VAR. CUM.
9	1.51613 5.12096	0.81121 1.74700	0.24357 0.51959	0.31226 0.19954	0.78003 2.60392	0.16405 0.48538	2.57438	0.03681
10 26	4.15451 51526.73828	1.60922 71016.43750	0.01313 0.00000	0.25457 0.00000	0.05158	0.01099 0.05903	0.13618	0.00791
27 28	2.67742 1033.03223	1.75854 4468.23828	-0.11510 -0.00010	0.17910 0.00006	-0.64266 -1.77234	-0.13575 -0.35347	0.95244- 4.34539	0.06213
29 30	2.31645 1.58064	0.95737 2.12562	-0.33285	0.40599 0.14834	-0.81783 0.38050	0.08086	0.83931	0.01229
12 -	4.74193	1.52082						

#### TABLE 127 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW NO. 11 ANALYSIS OF VARIANCE FOR THE MULTIPLE COEFFICIENT OF DETERMINATION0.5048MULTIPLE CORR. COEFFICIENT0.7105

LINEAR	REGRES	STON				
STURCE OF VARIATION	fight a	5UH-0F-	HEAN	F		•
·····		SOUARES	SQUARES	VALUE	P	
DUE TO REGRESSION	8	38-23/93-		2.0038		
DEVIATION ABOUT REGRESSION	22	37.50401	1.70473		<.05	
TOTAL	30	75.74194				

VARTABLE NO.	HEAN	STD. OEVIATION	RFG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COF.	SUP OF SQ.	PROP. VAR. CUM.
	1.51613	0.81121	0.12809	0.31843	0.40226	0.08545	3.03606	0.04008
<u> </u>	5.12096	1.74700	0.36335	0.20348	1.78566	0.35579	18.43990	0.24346
	51526.73828		0.00000	0.00000	0.44019 0.25555	0.09344	0.08793	0.000116
27 28	2.67742 1033.03223	1.75854 4468.23828	0.07268 -0.00017	0.18264 0.00006	0.39792 -3.01220	0.08453 -0.54037	0.76440	0.01009
	2.31645	0.95737 2.12562	-0.48980 0.10220	0.41504	-1.18013 0.67560	-0.24400 0.14257	1.63880	0.02164
$\overline{\mathbf{n}}$	4.51613	1.58894			•••			

#### TABLE 128 URBAN KEY 1

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW N			MU	EFFICIENT OF LTIPLE CORR.	DETERMINATION COEFFICIENT	0.3494 0.5911
ANALYSIS OF VAR LINEAR	REGRES	TR THE MULTIPLE				
SOURCE OF VARIATION	D.F.	SUM OF SQUARES	MEAN SQIJARES	VALUE	D	
DUE TO REGRESSION DEVIATION ABOUT REGRESSION	8 22	60.16701 112.02655	7.52088 5.09212	1.4770	n.s.	
TOTAL	30	172.19356				

VARIABLE NO.	MEAN	STD. OEVIATION	REG. COEFF.	STD.FRROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COF.	SUM OF SU	PRUP. VAR
								<u>C</u> UM•
1	1.51613	0.81121	-0.08658	0.55034	-0.15731	-0.03352	0.33734	0.00196
9	5.12096	1.74700	0.18949	0.35168	0.53882	0.11413	0.59784	0.00347
	4.15451	1.60922	-0.10575	0.44867	-0.23568	-0.05018	0.39851	0.00231
26	51526.73828	71016.43750	-0.00000	0.00001	-0.01172	-0.00250	9.48826	0.05510
27	2.67742	1.75854	0.78673	Ū.31566	2.49230	0.46923	31,13023	0.18079
28	1033.03223	4468.23828	-0.00001	0.00010	-0.09160	-0.01952	0.48562	0.00282
29	2.316+5	0.95737	0.52535	0.71731	0.73238	0.15428	0.07867	0.00046
<u> </u>	1.58064	2.12562	-0.48674	0.26144	-1.86180	-0.36894	17.65071	0.10251
8	1.83871	2.39578						

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## TABLE 129 URBAN KEY 1

SAMPLE SIZE	31				
DEPENDENT VAF	MABLE IS NOW	NO. 7			
	ANALYSIS OF VA		THE P	HHTTFLE	
	LINEAR	REGRESS			
SOURCE OF	VARTATION	0.F.	SUM	OF	

# COEFFICIENT OF DETERMINATION0.3890MULTIPLE CORR. COEFFICIENT0.6237

CINCAR	- COKE	53104				
SOURCE OF VARIATION	0.F.	SUM OF	HEAN			
		SQUARES	SQUARES	VALUE	p	
DUE TO REGRESSION	8	81.20911	10.15114	1.7507		
DEVIATION ABOUT REGRESSION	22	127.56531	5.79842		n	
TOTAL	30	208.77441				

NO.	HEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORR. COF.		PRUP. VAR. CUM.
1 9	1.51613	0.81121	0.24435 0.58789	0.58727 0.37528	0.41608	0.08836 0.31678	0.03563	
		1.60922 71016.43750	-0.22090 0.00000	0.47878	-0.46138 0.23670	-0.09789 -	1.09695	0.00800
27 	2.67742 1033.03223	1.75854	-0.48453	0.33685 0.00011	-1.43843 -1.10416	-0.29320	30.28352 10.49588	0.05027
	2.31645 1.58064 3.67742	0.95737 2.12562 2.63802	0.51798 -0.60481	0.76544	0.67671	0.14280	0.67923 27.25195	0.00325

TABLE 130 URBAN KEY 1

SAMPLE SIZE	31
DEPENDENT VAI	RIABLE IS NOW NO. 6
	ANALYSIS OF VARIANCE FOR THE MULTIPLE
	LINEAR REGRESSION

SOURCE OF VARIATION	D.F.	SUM OF	MEAN			
		SQUARES	SQUARES	VALUF	D	
DUE TO REGRESSION	8 -	73.22815	9.15352	1.8525		_
DEVIATION ABOUT REGRESSION	22	108.70734	4.94124		n.s.	
TOTAL	30	181.93549				_

VARIABLE NO.		STO. DEVIATION	PEG. COEFF.	STD.ERROR OF REG.COF.	COMPUTED T VALUE	PARTIAL CORR. COE.	SIJM OF SO.	PROP. VAR. CUM.
<u> </u>	1.51613 5.12096	0.81121 <u>1.74700</u>	0.00696	0.54213 0.34643	0.01285 0.41678	0.00274 0.08851	3.13810 1.39096	0.01725
		1.60922 71016.43750	-0.14218 0.00001	0.44198	-0.32168 1.76651	-0.06842 0.35246	2.08779 37.30714	0.01148
27 	2.67742	1.75854 4468.23828	0.45416 -0.00004	0.31095	1.46056 -0.39935	-0.08484	23.85904 1.85527	0.13114 0.01020
<u></u>	2.31645 1.58064 2.25806	2.12562 2.46262	0.60136 -0.11022	0.70660 0.25754	0.85106 -0.42797	0.17853 -0.09087	2.68524	0.01476

TABLE 131 URBAN KEY 1

LINEAR	5 E FOR THE MULTIPLE		FFICIENT OF DI TIPLE CORR. C		0. 7254 0. <u>8517</u>	
SOURCE OF VARIATION	0.F	SUM OF	MEAN SQUARES	F VALUF		
DUE TO REGRESSION DEVIATION ABOUT REGRESSION	8 2?	207.36942 78.50168	25.92117 3.56826	7.2644	<u> </u>	
	30	285.87109		·		
VARIABLE MFAN STD. NO. DEVIATIO	)N	REG. STD.ERROR COEFF. OF REG.CO		PARTIAL	SUM OF SO.	PROP. VAR.

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	M.
	02565
	06233
<u>26 51526.73828 71016.43750 0.00000 0.00001 0.78036</u> 0.16412 18.46800 0.	04460
	40648
29 2.31645 0.95737 0.34708 0.60046 0.57802 0.12231 12.62352 0.	00389
50 1.58066 7.17567 A.531A1 A.316A5 A.484A A.484A	07348

URBAN TABLE 132

KEY 1

COEFFICIENT OF DETERMINATION 0.7666 31 SAMPLE SIZE MULTIPLE CORR. COEFFICIENT 0.8755 DEPENDENT VARIABLE IS NOW NO. 4 ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION SOURCE OF VARIATION b.F. SUM OF MEAN F SQUARES SQUARES VALUE ø 202.52525 25.31564 9.0313 Я 22 61.66835 2.80311 < .01 30 264.19360 TUTAL ...

VARTABLE NO.	MEAN	STD. DEVIATION	REG. CNEFF.	STD.FRROR OF REG.COF.	COMPUTED T VALUE	CORR. COE.	SUM OF SO. ADDED	CUM.
	1.51613 5.12096	0.81121 1.74700	-0.24961 0.16242	0.40832 0.26093	-0.61131 0.62246	-0.12924 0.13156	0.64944	0.04037
10 26	4.15451 51526.73828	1.60922 71016.43750	-0.23573 0.00001	0.33289	-0.70814 1.91539	-0.14928 0.37806	9.26436	0.03507 0.13458
27	2.67742	1.75854	0.55100 0.00016	0.23420 0.00007	2.35264 2.24646	0.44835 0.43196	79.58286	0.30123
	2.31645	0.95737 2.12562	1.09421 0.50942	0.53220 0.19397	2.05600 2.62623	0.40147 0.48855	37.14333 19.33324	0.19059 0.07318
-4	3.83871	2.96757						

#### KEY 1 TABLE 133 URBAN

SAMPLE SIZE	31			
DEPENDENT VAR	ABLE IS N	IOW NO. 3		
AN	ALYSTS OF	VARIANCE FOR	THE	MULTIPLE

COEFFICIENT OF DETERMINATION 0.3453 MULTIPLE CORR. COEFFICIENT 0.5876

LINFAR	RFGRFS	STON				
SOURCE OF VARIATION	0.F.	SUM OF	SOUARES	F VALUE	0	
DUE TU REGRESSIUN	- 8	1.47291	0.24661	1.4504		
DEVIATION ABOUT REGRESSION	22	3.74080	0.17004		n.s	
	30	5.71371				

VARIARLE NO.	HEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF REG.COF.	COMPUTED T VALUE	PARTIAL CORR. COF.	SUM OF SQ. ADOED	CUM+
· 9	1.51613 5.12096	0.81121	-0.00971 0.05079	0.10057 0.06426	-0.09653 0.79031	-0.02057 0.16615	0.01804 0.01215	0.00316
10 26	4.15451 51526.73828	1.60922 71016.43750	-0.07445 0.00000	0.08199 0.00000	-0.90800 0.27932	-0.19005	0.12050	0.02111
27	2.67742	1.75854	0.14009 -0.00000	0.05768	2.42869 -0.24047	0.43981 -0.05120	0.85800	0.00378
29 30	2.31645	0.95737 2.12562	0.03792	0.13108	0.28929	0.05155 -0.32945	0.04364 0.45546	0.00765
3	0.30645	0.43641				,		

TABLE 134 URBAN KEY 1

> COEFFICIENT OF DETERMINATION 0.3887 MULTIPLE CORR. COEFFICIENT 0.5876

SAMPLE SIZE 31 DEPENDENT VARIABLE IS NOW NO. 2 ANALYSIS OF VARIANCE FOR THE MULTIPLE

: 1

E THE WA						
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE	Ρ	
DUE TO REGRESSION	8	18.46275	2.30784	1.7488		
DEVIATION AROUT REGRESSION	22	29.03212	1.31964		<u>n.s.</u>	
TOTAL	30	47.49487				

VARTABLE NO.	MEAN	STD. DEVIATION	REG. COEFF.	STD. ERROR OF REG.COE.	COMPUTED T	PARTIAL CORR. COF.	SUM OF SQ. ADDED	PROP. VAR. CUM.
	1.51613 5.12096	0.81121 1.74700	0.29901 0.44488	0.28016 0.17903	1.06726 2.48490	0.22187 0.46814	0.08071 7.18208	0.00170 0.15122
10 26	4.15451	1.60922 71016.43750	-0.33530	0.22841 6.00000	-1.46798 -1.32250	-0.29869	0.27936 1.65971	0.00588 0.03495
27	2.67742	1.75854	-0.00551 0.00008	0.16070	-0.03428	-0.00731 0.33196	0.06604	0.00139 0.03641
29	2.31645	0.95737	0.82476	0.36516	2.25861 -1.68767	-0.33856	3.70688 3.75867	0.07805
	4.32548	1.25824					<u> </u>	

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TABLE 135 SUBURBAN KEY 9

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 11 COEFFICIENT OF DETERMINATION 0.4072 MULTIPLE CORR. COEFFICIENT 0.6382

ANALYSIS	OF	VARI	ANCE	FUR	ТНЕ	MULTIPLE	
1	TAIL	CAR.	OFCOS	:	1N		

SDURCE OF VARIATION	D.F.	SUM OF	MEAN	F	p
UE TO REGRESSION	8	28.42555	3.55324	0.9447	
EVIATION ABOUT REGRESSION		41.37410	3.76128		n.s.
TOTAL	19	65.80005			

VARIABLE	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERROR OF_REG.COE.	COMPUTED T VALUE	PAFTIAL COBE: COE.	SUM OF SQ.	PROP. VAP.
1 9	2.00000	C.97333 1.31842	0.58617 C.41985	0.54807	1.06952	0.30691	1.38889	0.01990
10	4.17900 34596.84766	1.20975	0.65213	1.27851 0.0001	0.51007	0.15200	1.75948	0.02521
13	2.45000		-0.12519	0.29379	-0.42610 0.18120	-0.12743	3.77217	0.05404
15	2.49049	1.00846	-C. 12322	0.59647 0.41661	-0.20653	-0.06216	1.04330	0.01495
11	4.10000	1.91569						

### TABLE 136 SUBURBAN KEY 9

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 8 COEFFICIENT OF DETERMINATION 0.5396 MULTIPLE CORR. COEFFICIENT 0.7346

ANALYSIS OF VARIANCE FOR THE MULTIPLE

	P EGRES	2103				
SOURCE OF VARIATION	D.F.	SUM CF	MEAN	F		
		SOUARES	SOUAFES	VALUE	p	
OUE TO REGRESSION	8	51.15816	6.39477	1.6119		
DEVIATION ABOUT REGRESSION	11_	43.64189	3.96744		n.s.	
TOTAL	19	94.80005				

VARIABLE	MEAN	STD. DEVIATION	REG.	STD.E9ROR OF REG.COE	CONPUTED	PARTIAL CURE, COE,	SUM CF SQ.	PRUP. VAP.
1 9	2.00000	C.97333 1.31842	-0.01299 0.04475	0.56289	-0.02308	-0.00696	2.72222	0.02872
10	4.17900 34596.84766	1.20975	0.33331 -C.00000	1.31308 0.00001	0.25384	0.07631	1.14005	0.01203
13	2.45000	1.79106	0.27000	0.30174	0.83481	0.26049	1.69768	0.01791
15	2.49049	1.00846	0.39503	U-61260 U-62768	0.64485	0.19)36	2.76450	0.02916
8	3.60000	2.23371						

TABLE 137 SUBURBAN KEY 9

KEI U

F

VALUE

1.4516

COEFFICIENT OF DETERMINATION 0.5136 MULTIPLE CORR. COEFFICIENT 0.7166

p

n.s.

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 7 ANALYSIS OF VARIANCE FOR 1

ANALYSIS OF VARIANCE FOR THE MULTIPLE

#### SOURCE OF VARIATION SUM OF MEAN D.F. SUUARES SOUARES DUE TO REGRESSION..... 8 49.58409 6.19301 46.96596 11 4.26963 TOT 4L ... 19 96.55005

		DEVIATION	REG. CUEFF.	STD. ERRUR DE REG.COF.	COMPUTED T VALUE	PARTIAL CURR, COC.	SUM OF SQ.	PEUP. VAR.
1	2.00000	0.97333	C.45442	0.53393 1.15500	0.77821	C.22844	16.05554 18.886005	0.16629
10	4.17500 34595.24766	1.20975	0.50552 0.00000	1.36217	0.37112	0.11120 0.06541	3.83210	0.03969
13	2.45000	1.79106 4253.21094	0.24127	0.31302	0.77080	0.22637 -0.09945	4.97506	0.05157
15	2.49049	1.00846	0.36823 0.34988	0.63550	0.57943	0.17210	2.14795	0.02227
7	4.15000	2.25424						

## TABLE 138 SUBURBAN KEY 9

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 6

### COEFFICIENT OF DETERMINATION 0.7246 MULTIPLE CORR. COEFFICIENT 0.8513

COEFFICIENT OF DETERMINATION

MULTIPLE CORR. COEFFICIENT

0.7323

0.8557

ANALYSIS OF VAFIANCE FOR THE MULTIPLE

SOURCE OF VAFIATION	C.F.	SUM CE	MEAN		ρ
DUE TU REGRESSION DEVIATION ABOUT REGRESSION	8 11	57.21027	7.15128 1.97635	3.6184	<.05
TO74L	19	78.95020			

VARTABLE	MEAN	STD. DEVIATION	FEG. COLEF.	STN.ERRIE	T VALUE	6088.00F.	SHE OF SQ.	PHUP. VAR
1	2.0000	0.97333	0.80324	0.39728	2.02135 -0.82691	0.52052	14.22222	<u>CUM</u> 0.18014
10	4.17900	1.20975	0.77349	C. 92676 0.00001	0.83515 0.11048	<u>0.24419</u> 0.03329	3.70632	0.15377
13	2.45000 1719.75000	1.79100	0.11663	C.21296	0.54766	0.16292 0.25 )70	4.15020	0.00852 0.05257
15	2.49047	1.00846	1.44943	0.43237 0.30119	3.35229 -0.71533	C. 71085 0.21085	21.27805	0.26951
6	4.45000						1,01128	0.01281

TABLE 139 SUBURBAN KEY 9

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 5

ANALYSIS OF VAFIANCE FOR THE MULTIPLE

SOURCE OF VARIATION	D.F.	SUN UF SQUARES	REAN SOUAPES	r VALUE	p	
DUE TU REGRESSION	۶ 11	66.0538.) 24.14654	a.25070	3.7613	<.05	
T4)TAL	19	SC.20020				

MEAN	STI:. DEVIATION	FEG. CUEFF.	STU.ERBOR DE SEG.COF.	CEAPUTED T. VALUE	PARTIAL COPE, Cata	SUN OF SQ.	PRUP. VAR.
2.0000 4.70099		C.65952 -C.90774	0.41869 0.82817	1.57519	0.42907	12.50000	0.13858
		1.21702	0.97671	1.24004	0.35173	5.57969	0.06186 0.00002
2.45000 <u>1719.7500</u>		0.14804 -0.00001	0.22444 0.00010	0.65961	0.19506 -C.02443	3.31492	J.03675 0.03014
	1.72522	1.46858 -0.15867	0.45567 0.31827	3.22230 -0.49855	0.09690	27.25534	0.24673
	2 • 30 000 4 • 7 90 99 4 • 1 7 90 34596 • 34746 2 • 45007 1719 • 75 100 2 • 49049 2 • 35000	DEVIATION           2.0000         0.9733           4.7039         1.31642           4.1740         1.20575           34596.34766         49902.1027           2.4500         1.79106           1719.7530         4253.21094           2.49024         1.30576	DEVIATION         CUEFE           2.0000         0.9733         0.65952           4.70099         1.31642         -0.90774           4.1740         1.20975         1.21702           34596.34766         49002.10937         0.00000           2.4500         1.79106         0.14804           1719.75.00         4253.21094         -0.00001           2.4904         1.00646         1.46658           2.35000         1.72520         -0.15867	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

TABLE 140 SUBURBAN KLY 9

0.60241

3.39472

0.20920

3. 57553

.14313

0.17373

0. 37474

0.06205

0.73316

- C. 35514

SAMPLE SIZE 20 COEFFICIENT OF DETERMINATION 0.8259 DEPENDENT VARIABLE IS NOW NO. MULTIPLE CORR. COEFFICIENT 4 0.9088 ANALYSIS OF VARIANCE FOR THE MULTIPLE SOURCE OF VARIATION Đ.F. SUM OF MEAN F p SOUARES SQUARES VALUE DUE TO REGRESSION..... 6 54.59439 7.32433 6.5206 <.01 DEVIATION ABOUT PROCESSION .... 2.35589 1-12325 TOTAL... 10 70.95320 VARIABLE NCAN STD. PEG. STD.FRF.IP CURPUTED PARTIAL SHE OF SQ. PPCP. VAR. OFVIATICN _Ni), GE FEG_COF T VALUE COF: . COF ADJEC CU1. C.85927 9.28267 ł 2.00000 0.97333 C.29951 3.00251 0.67114 20.05554 1.1042 9 4.70099 0.0.538 0.59242 0.14417 0. 14342 19.14644 n.26987 10 4.17960 1.20975 0.25000 0.67067 0.36935 0.11069 1.67191 9.07366

0.00001

0.16355

6-00607

0.32516

0.22767

178

12

13

14

15

16

4

96,94766

1 7,75000

2.45300

2.49049

2.3500)

5.05000

02.10037

53.21094

1.00846

1.72520

1.03241

1.79106

0.00000

0-01510

0.0001

1.10547

C. 4109

183

C=02148

9.01188

0.20407

2.01170

0.00053

1.52378

0.84303

0. 12995

14.47907

0.03767

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			T	TABLE 141	SUBURBAN	KEY 9		
SAMPLE DEPEND	DENT VARIA	20 BLE IS NOW N		THE MULTIPLE	COE MUL	FFICIENT OF TIPLE CORR.	DETERMINATION COEFFICIENT	0.1757 0.4191
		LINEAR	REGRESSIO					
SOU	IRCE OF VARI	IATION	D.F.	SUM UF	MEAN	F		
DUE TU RE	GRESSICH		8	<u>50UARES</u>	<u>SQUARES</u> 0.20372	VALUE 0.293J	p	
<u>POLIATION</u>	ADOUT PEGE	EESSICN	11	7.83453	0.71223	0.2750	n.s.	
		TOT AL	19	9.50426				
VARIABLE	FEAN	<u></u>	REG.	STD. FRECR	COMPUTED	PASTIAL	CUN UF CU.	<u></u>
NO.		DEVIATIO				<u> </u>		PROP. VA
1	2.00000 4.70.199	0.97333			0.17159	0.35167	0.37556	1.0395
10	4.17500	1.20575			0.16165	0.04363	0.90469	0.0951
		49902.10937	0.0000		0.47297	0.03489	0.00052 0,25709	0.0000
13	2.45000	1.79106	0.00994	0.12784	0.07775	0.02344	0.00815	0.0008
<u>14</u> 15	<u>1719.75.000</u> 2.49.747	4252.21394			-0.22699	-0. 16323	0.01821	0.0019
	2.35000	1.00846	-0.08843 -0.02255		-0.54069	-0.10218	0.09450	0.00990
3	0.66350	C.70727		0.18129	-0.12441	-0.03749	0,01102	0.0011
				ABLE 142	SUBURBAN	KEY 9		<u> </u>
SAMPLE		20 21 F 10 Now N	~ •		COEF	FICIENT OF	DETERMINATION	0.3952
DEFENDI		BLE IS NOW N			MULI	TIPLE CORR.	COEFFICIENT	0.6287
	ABAL		IANCE FUR T Regression	HE MULTIPLE				•
SOUF	RCE CF VARI	ATION		SUM DE	MEAN			
			\$	OTARES	SOUMEES	VALUF	p	
NE TO REC	GRESSICH			7.38353	3.42294	0.8985		
EVIALUN	ABOUT REGE	TOTAL		1.90573	3.30962		<u>n.s.</u>	
<u> </u>				9.28931				
ARIABLE	MEAN	STD.	PEG.	STD.ERP.DS	COMPUTED	PARTIAL	SUP OF SQ. F	PP-IP. VAL
1	2.00000	<u>0.97335</u>		UF 810.00		0083. CUE		CUM.
	4-70039		-0.22301	0.55158	-0.41333	-0.12363	0.29901	0.00432
10	4.17903	1.20975	0.71422		0.55897	<u>-0.08210</u> 0.16619	<u> </u>	0.04152
1234	1590 34700 ·	44902-10937	0.00000					0.09122
13	2.45000			0.00001	<u></u>			
• •		1.79106	-0.06743	0.29567		0.00510	<u>0.60555</u>	J.00874
	1714.75.000	4253.21094	0.00008	0.29567 0.00013	<u>0.01691</u>	0.00510		0.00874 0.00167
15	2.49049	4253.21094 1.00846	0.00008 0.99314	0.29567 0.00013 0.60029	<u>-0.223)4</u> -0.223)4 <u>0.57738</u> 1.65443	0.00510 -0.06860 0.17151 0.44678	0.60555 0.11247 0.00766 9.68602	0.00874 0.00167 0.00011 0.13970
	1714.75.000	4253.21094	0.00008	0.29567 0.00013	<u>-0.22314</u> -0.22314 <u>-0.57738</u>	0.00510 -0.06860 0.17151	0.60555 0.11247 0.00766	0.00874 0.00167 0.00011 0.13970
15 16	2.49049 2.35000	4253.21094 1.00846 1.72520	0,0008 0,99314 -0,21596	0.29567 0.00013 0.60024 0.41928	<u>-0.223)4</u> -0.223)4 <u>0.57738</u> 1.65443	0.00510 -0.06860 0.17151 0.44678	0.60555 0.11247 0.00766 9.68602	0.00874 0.00167 0.00011 0.13970
15 <u>16</u> 2	2.49049 2.35000 3.60100	4253.21094 1.00846 1.72520 1.70966	0,0008 0,99314 -0,21596	0.29567 0.00013 0.60029 0.41923	- 0.22314 -0.22314 0.57738 1.65443 -0.51506	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10	<u>).60555</u> ().11247 ().00766 9.68602 1.01063	3.00874 3.30162 3.00311 0.13970 3.01459
15 16 2 SAMPLE	2.49049 2.35000 3.60100 SIZE 2	4253.21094 1.00846 <u>1.72520</u> 1.00966	0.0008 0.99314 -0.21596 -0.71596	0.29567 0.00013 0.60029 0.41923	- 0.22314 -0.22314 -0.57738 1.65443 -0.51506 SUBURBAN COEF	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I	0.60555 0.11247 0.00766 9.60002 1.01063	0. 5571
15 16 2 SAMPLE	2.49049 2.35000 3.60100 SIZE 24 ENT VARIAB	4253.21094 1.00846 <u>1.72520</u> 1.70966 0 BLE IS NOW NO	0.00008 0.99314 -0.21596 TA	0.29567 0.00013 0.60029 0.41573 ABLE 143 S	- 0.22314 -0.22314 -0.57738 1.65443 -0.51506 SUBURBAN COEF	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10	0.60555 0.11247 0.00766 9.60002 1.01063	3.00874 3.30162 3.00011 0.13970 3.01459
15 16 2 SAMPLE	2.49049 2.35000 3.60100 SIZE 24 ENT VARIAB	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO Y315 OF VARIA	0.0008 0.99314 -0.21596 TA D. 11	0.29567 0.00013 0.60029 0.41573 ABLE 143 S	- 0.22314 -0.22314 -0.57738 1.65443 -0.51506 SUBURBAN COEF	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I	0.60555 0.11247 0.00766 9.60002 1.01063	3.00974 3.00974 3.00911 0.13970 3.01459 0.5571
15 16 2 SAMPLE DEPENDE	2.49049 2.35000 3.60100 SIZE 24 ENT VARIAB	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO YSIS OF VASIA LIGEAR	0.0008 0.99314 -0.21596 TA D. 11 AACL FO: TH REGRESSION	U.29567 0.00013 U.60029 0.41573 ABLE 143 S	3.01691 -0.22314 2.57738 1.65443 -0.51506 SUBURBAN COEF MULT	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I 'IPLE CORR.	0.60555 0.11247 0.00766 9.60002 1.01063	0. 5571
15 16 2 SAMPLE DEPENDE	2.49049 2.35000 3.60100 SIZE 2 ENT VARIAB NALL	4253.21094 1.00846 1.72520 1.70966 BLE IS NOW NO YSIS (# VAR) LIREAR ( ATICN	0.0008 0.99314 -0.21596 TA D. 11 AACL FO TH REGRESSION D.F. SC	U.29567 O.00013 U.60029 U.41973 ABLE 143 S IL MULTIPLE SUM OF SUM OF	-0.22314 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I	0.60555 0.11247 0.00766 9.60002 1.01063	0. 5571
15 16 2 SAMPLE DEPENDE SCIUR	2.49049 2.35000 3.60100 SIZE 20 ENT VARIAB NALL ICE OF VARIA	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO Y315 (H VATH LILEAR H ATTCN	0.00008 0.99314 -0.21596 TA 0. 11 AACL FO: TH <u>REGRESSION</u> D.F. <u>SC</u> 8 38	U.29567 O.0C013 U.60029 U.41923 ABLE 143 S IL MULTIPLE SUM OF SUARES S.19005	-0.22314 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT MFAN SCUAKES 4.77376	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I IPLE CORR.	0.60555 0.11247 0.00766 9.68602 1.01963 DETERMINATION COEFFICIENT	3.00974 3.00974 3.00011 0.1397( 3.01459 0.5571
15 16 2 SAMPLE DEPENDE SCOR JE TO REG VIATION	2.49049 2.35000 3.60100 SIZE 2 ENT VARIAB NALL	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO Y315 GE VARIE LIBEAR E ATTICN	0.00008 0.99314 -0.21596 TA D. 11 ANCL FUE TH REGRESSION D.F. SC 8 38 11 30	U.29567 0.00013 U.60029 U.41923 ABLE 143 S IL MULTIPLE SUM OF SUM OF SUARES 5.19005 5.35695	-0.22314 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I TIPLE CORR.	0.60555 0.11247 0.00766 9.68602 1.01963 DETERMINATION COEFFICIENT	3.00974 3.00974 3.00911 0.13970 3.01459 0.5571
15 16 2 SAMPLE DEPENDE SOUR	2.49049 2.35000 3.60100 SIZE 20 ENT VARIAB NALL ICE OF VARIA	4253.21094 1.00846 1.72520 1.70966 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00008 0.99314 -0.21596 TA D. 11 ANCL FUE TH REGRESSION D.F. SC 8 38 11 30	U.29567 O.0C013 U.60029 U.41923 ABLE 143 S IL MULTIPLE SUM OF SUARES S.19005	-0.22314 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT MFAN SCUAKES 4.77376	0.20513 -0.36866 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I TIPLE CORR.	0.60555 0.11247 0.00766 9.68602 1.01963 DETERMINATION COEFFICIENT	0. 5571
15 16 2 SAMPLE DEPENDE SOUR SOUR UE TO REG EVIATION	2.49049 2.35000 3.60100 SIZE 20 ENT VARIAB NALL ICE OF VARIA	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO Y315 GE VARIE LIBEAR E ATTICN	0.00008 0.99214 -0.21596 TA 0. 11 AACL FO: TH <u>REGRESSION</u> D.F. <u>SC</u> 8 36 11 30 15 68	U.29567 O.0C013 U.60029 U.41923 ABLE 143 S ABLE 143 S UM OF SUM	<u>.01691</u> -0.22314 <u>0.57738</u> 1.65443 -0.51506 SUBURBAN COEF MULT KFAN <u>SQUAKES</u> 4.77376 2.76000	0.20513 -0.3686C 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I TIPLE CORR.	<u>0.60555</u> 0.11247 <u>0.00766</u> 9.68602 <u>1.01963</u> DETERMINATION COEFFICIENT <u>p</u> n.5.	0. 5571 0. 7464
15 16 2 SAMPLE DEPENDE SOUR SOUR UE TO REG EVIATION	2.49049 2.35000 3.60100 SIZE 24 ENT VARIAB NALL ICE OF VARIA RESSION ABOUT REGRE	4253.21094 1.00846 1.72520 1.70966 BLE IS NOW NO 9315 (F VAR) LIREAR (AR) AT ICN	0.00008 0.99314 -0.21596 TA D. 11 ANCL FUE TH REGRESSION D.F. SC 8 38 11 30	U.29567 0.00013 U.60029 U.41923 ABLE 143 S IL MULTIPLE SUM OF SUM OF SUARES 5.19005 5.35695	-0.22314 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT MFAN SQUAKES 4.77376 2.76000	0.20513 -0.36866 0.17151 0.44636 -J.15346 KEY 10 FICIENT OF I TIPLE CORR.	0.60555 0.11247 0.00766 9.68607 1.01063 DETERMINATION COEFFICIENT p n.s.	0. 5571 0. 7464
15 16 2 SAMPLE DEPENDE SCOUR SCOUR UE TO REG EVIATION ARIABLE	2.49049 2.35000 3.60100 SIZE 24 ENT VARIAB MEAN RES SION ABOUT REGRE	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO Y315 GF VATH LINEAR A ATTCN STO STO DEVIATION 0.97333	0.00008 0.99314 -0.21596 TA D. 11 ANCL FO: TH REGRESSION D.F. S 8 3t 11 30 15 68 KEG. COFFF. 0.46726	U.29567 O.0CU13 U.60029 U.41973 ABLE 143 S IL MULTIPLI SUM (IF 20ARES 5.19005 0.35695 3.55000 STD.EFR(P OF REG.CUF 0.46948	-0.22314 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT MEAN SQUAKES 4.77376 2.76000	0.20513 -0.3686C 0.17151 0.44636 -3.15346 KEY 10 FICIENT OF I TIPLE CORR.		0.5571 0.7464
15 16 2 SAMPLE DEPENDE SOUR SOUR UE TO REG EVIATION ARIABLE NO. 1 2	19.75.000         2.49049         2.35000         3.60100         3.60100         SIZE         200         3.60100         SIZE         SIZE         2.35000         3.60100         SIZE         SIZE         SIZE         SIZE         SIZE         NAL         CE         CE         CE         SIZE         MFAIN         2.00000         4.70099	4253.21094 1.00846 1.72520 1.70966 BLE IS NOW NO 9315 (R VAT) LILEAR ATICN 5551CA TOTAL 5510. 0.97333 1.31842	0.00008 0.99214 -0.21596 TA D. 11 AACL FO TH REGRESSIUN D.F. SC 8 38 11 30 15 68 15 68 15 68 16 70758	U.29567 O.00013 U.60029 U.41973 ABLE 143 S ABLE 143 S It MULTIPLE SUM OF SUMRES 5.19005 0.35695 3.55000 STD.FFROP OF REG.COF 0.46948 0.92263	-0.01691 -0.22334 -0.22334 -0.51738 1.65443 -0.51506 SUBURBAN COEF MULT MEAN SQUAKES 4.77376 2.76300 COMPUTED T VALUF 1.03786 0.82351	0.20513 -0.36866 0.17151 0.44636 -J.15346 KEY 10 FICIENT OF I TPLE CORR. F VALUE 1.7296 CAETIAL CUER. COF. 0.29865 0.24236	DETERMINATION COEFFICIENT p n.s. SUF OF \$9. 0 ADDED 5.55555 4.72579	0.5571 0.7464
15 16 2 SAMPLE : DEPENDE SCIUR UE TU REG EVIATION ARIAGLE NO. 1 2 3	19.75.000         2.49049         2.35000         3.60100         3.60100         SIZE         2.100         3.60100         SIZE         SIZE         2.000         3.60100         SIZE         NAL         CE         CF         VARIAB         NAL         RES         MFAN         2.00000         4.70099         4.17900	4253.21094 1.00846 1.72520 1.70966 BLE IS NOW NO 93LE IS NO 93LE	0.00008 0.99314 -0.21596 TA 0. 11 AACL FO- TH <u>REGRESSION</u> D.F. <u>SC</u> 8 38 11 30 15 68 <u>CCFFF</u> 0.46726 C.70738 -0.54383	U.29567 O.0CUI3 U.60029 U.41973 ABLE 143 S ABLE 143 S IL MULTIPLE SUM OF SUARES 5.19005 D.35595 S.55000 STD.FFROP OF REG.COF OF REG.COF OF REG.COF OF SI9	-0.223)4 -0.223)4 -0.223)4 -0.5173A 1.65443 -0.51506 SUBURBAN COEF MULT SCUAKES 4.77376 2.76000 COMPUTED 1.03786 0.82351 -0.49657	0.20513 -0.36866 0.17151 0.44636 -J.15346 KEY 10 FICIENT OF I TPLE CORR. F VALUE 1.7296 - CER. COF. 0.24236 -0.14307	.0.60555           0.11247           0.00766           9.68602           1.01063	0. 5571 0. 7464
15 16 2 SAMPLE : DEPENDE SCIUR UE TU REG EVIATION ARIAGLE NO. 1 2 3	19.75.000         2.49049         2.35000         3.60100         3.60100         SIZE         ENT VARIAB         NSAL         CE         CF         VARIAB         NSAL         RESSION         ABOUT         REGRE         MFAN         2.00000         4.70099         4.17903         596.84706	4253.21094 1.00846 1.72520 1.70966 BLE IS NOW NO 9315 (# VAR1) LIREAR # AT ICN 5551 CN 1 TOTAL 5551 CN 1 TOTAL 550 A 100 0.97333 1.31842 1.20975 399C2.10937	0.00008 0.99314 -0.21596 TA D. 11 AACL FO- TH <u>REGRESSIUN</u> D.F. <u>SC</u> 8 38 11 30 15 68 <u>CCFFF.</u> 0.46726 C.70938 -0.54383 C.00000	U.29567 O.0CUI3 U.60029 U.41923 ABLE 143 S ABLE 143 S U.M. OF 2008 CS 3.19005 0.35595 3.55000 STD.EFROP OF EEG.COF 0.46948 C.92263 1.05519 0.00001	-0.01691 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT SUBURBAN COEF MULT ************************************	0.20513 -0.3686C 0.17151 0.44636 -J.15346 KEY 10 FICIENT OF I TPLE CORR. F VALUE 1.7295 CAETIAL CUER. COF. J.29865 0.24236 -0.14307 0.01469	<u>),60555</u> <u>0,11247</u> <u>0,00766</u> <u>9,68002</u> <u>1,01063</u> DETERMINATION COEFFICIENT <u>p</u> <u>n.s.</u> <u>SUF 0F \$0. p</u> <u>ADDED</u> <u>5,55555</u> <u>4,72579</u> <u>3,42721</u> <u>0,56313</u>	0. 5571 0. 5571 0. 7464
15 16 2 SAMPLE : DEPENDE SCIUR UE TO REG EVIATION ARIABLE NO. 1 2 3 12 34 13	19.75.000         2.49049         2.55000         3.60100         3.60100         SIZE         ENT VARIAB         NSALD         CCE         CE         CE         CE         MFAN         2.00000         4.70099         4.17903         596.84766         2.45000	4253.21094 1.00846 1.72520 1.70966 BLE IS NOW NO 93LE IS NO 93LE	0.00008 0.99314 -0.21596 TA D. 11 ANC: F0- TH REGRESSIUN D.F. SC 8 38 11 30 15 68 11 30 15 68 -0.54383 C.00000 -0.20871	U.29567 O.0C013 U.60029 U.41923 ABLE 143 S ABLE 143 S UM OF UM OF UMARES S.19005 D.35695 3.55000 STD.FFROP OF REG.COF O.46948 C.92263 1.05519 O.00071 O.25167	-0.223)4 -0.223)4 -0.223)4 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT SUBURBAN COEF MULT -0.4057 -0.49657 -0.49657 -0.49657 -0.49657	0.20513 -0.36866 0.17151 0.44636 -J.15346 KEY 10 FICIENT OF I YPLE CORR. F VALUE 1.7296 -0.24236 -0.14807 0.01469 -6.24256	DETERMINATION COEFFICIENT P n.s. SUF OF SO. P ADDED 5.5555 4.72579 3.42221 0.56313 6.22781	0.5571 0.5571 0.7464 0.04992 0.04992 0.04992 0.04992 0.04992
15 16 2 SAMPLE : DEPENDE SCIUR UE TO REG EVIATION ARIABLE NO. 1 2 3 12 34 13	19.75.000         2.49049         2.55000         3.60100         3.60100         SIZE         ENT VARIAB         NSALD         CCE         CE         CE         CE         MFAN         2.00000         4.70099         4.17903         596.84766         2.45000	4253.21094 1.00846 1.72520 1.70966 0 BLE IS NOW NO Y315 OF VART LIALAR ATTICN 0 STD. DEVIATION 0.97333 1.31842 1.20975 1.20975 1.79106	0.00008 0.99314 -0.21596 TA D. 11 AACL FO- TH REGRESSIUN D.F. SC 8 38 11 30 15 68 KEG. CrFFF. 0.46726 C.70938 -0.54383 C.00000	U.29567 O.0CUI3 U.60029 U.41923 ABLE 143 S ABLE 143 S U.M. OF 2008 CS 3.19005 0.35595 3.55000 STD.EFROP OF EEG.COF 0.46948 C.92263 1.05519 0.00001	-0.01691 -0.22314 -0.22314 -0.5773A 1.65443 -0.51506 SUBURBAN COEF MULT SUBURBAN COEF MULT ************************************	0.20513 -0.3686C 0.17151 0.44636 -J.15346 KEY 10 FICIENT OF I TPLE CORR. F VALUE 1.7295 CAETIAL CUER. COF. J.29865 0.24236 -0.14307 0.01469	<u>),60555</u> <u>0,11247</u> <u>0,00766</u> <u>9,68002</u> <u>1,01063</u> DETERMINATION COEFFICIENT <u>p</u> <u>n.s.</u> <u>SUF 0F \$0. p</u> <u>ADDED</u> <u>5,55555</u> <u>4,72579</u> <u>3,42721</u> <u>0,56313</u>	0. 5571 0. 5571 0. 7464

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#### TABLE 144 SUBURBAN **KEY 10**

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SAMPLE SIZE DEPENDENT VA	20 RIABLE IS NOW	NO. 10		
		ARIANCE FOR	R THE MULTIPLE	
SOURCE CF	VAFIATION	D.F.	SUM OF	

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.4950<br/>0.7035

LINEAR	REGRES	SICN				
SOURCE OF VAPIATION	D.F.	SUM OF SOUARES	MEAN	F VALUE	_ р	
DUE TO REGRESSION	8 11	31.77754	3.97217 2.94750	1.3476	n.s.	
TCTAL	19	64.20001				

VARIABLE	MEAN	STD. DEVIATION	REG. COEFF.	STD. EPPOR UF PEG.COE.	COMPUTED	PAPTIAL COPP. COE.	SUM OF SQ. AUDED	PROP. VAP.
1	2.00000	0.97333	0.82908 0.00719	C.42517 0.95965	1.70866	0.45302 0.00226	20.05554	J.31239 J.06098
3	4.1790J 34596.84766	1.20975	0.61933	1.13178 0.00001	0.54722	0.16279 0.02405	0.76547 0.95684	0.01192
13	2.45000 1719.75000	1.79106	0.02051	C.26008 C.00012	0.08041 -1.12041	0.02424 -0.32005	0.54064 1.86325	0+00842 0+02902
15	2.49049	1.00346	-0.55488	0.52302	-1. 35087	-0.30205 0.16009	2.82329 0.85232	).04405 0.01328
10	3.30000	1.83819						

#### **KEY 10** TABLE 145 SUBURBAN

SAMPLE SIZE 20	
DEPENDENT VARIABLE IS NOW NO. 9	

COEFFICIENT OF DETERMINATION 0.6754 MULTIPLE CORR. COEFFICIENT 0,8218

ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION

SOURCE OF VARIATION	C.F.	SUM OF	MEAN	F	p	
DUE TO REGRESSION	8	50.62157 24.32845	6.32770	2.8610	n.s	
TOTAL	19	74.95001				

VARIABLE	PFAN	STD. DEVIATION	FÉG. COFFF.	STD.EPRUP OF REG.COF.	COMPUTED T VALUE	PARTIAL CCRP. COT.	- 05 AU AUS	PPOP. VAR.
1 2	2.0000	0.97333	-0.43973	0.42027	-1.04631 2.31505		0.05556	).00074 0.25522
3	4.17903	1.20975	-1.75474	- C.92038 9.00031	-1.78935	-0.47472	8+50205 0+04829	0.11344
13	2.45000 1719.75000	1.79106	-0.62923	0.22529	-2.74301	-0.64415	11.40330 3.30686	0.15215
15	2.49049	1.00346	0.44787	0.45739	0.97920 -0.81419	C.23316 -0.23341	1.65051	0.02202 0.01956
9	3.55000							

#### TABLE 146 SUBURBAN **KEY 10**

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW 1 AGALYSIS OF VA		CO M	0,6681 0,8174			
SDURCE OF VARIATION	0.F.	SUM UF	MEAN SOUARES	F	p	
DUE TO REGRESSION	8 11	43.12761 21.42244	5.39345		<u> </u>	
TOTAL	19	64.55005				

		_		•		•		
VARIABLE	MEAN	STG. DEVIATION	PEG.	STU.ERROP OF PEG.COE.	COMPUTED	PARTIAL CUPP. COP.	SUM OF 50.	PROP. VAR.
1 2	2.00300	C.97333	-0.71273	0.39437	-1.30727	-0.47849	4.50000	J・06971 ション63世2
3	4.17900	1.23975	-0.34468	0.91997 0.00001	-0.37467	-0.11225 -0.05393	C.41110 1.49131	0.00637 J.02311
13	2.45000	1.79106	-0.65060 0.00014	0.21140	-3.07752	-0.63019	13.92952	J.21579 J.04683
15	2.47049	1.03846	0.50325	C.42920	1.19418	0.33625	2.61127	1.04045 3.00204
Ą	3.65000	1.84319						

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## TABLE 147 SUBURBAN KEY 10

SAMPLE SIZE	20
DEPENDENT VAR	IABLE IS NOW NO. 7
ĀK	ALYSIS OF VARIANCE FUR THE MULTIPLE
	LINEAR SECONDERING

# COEFFICIENT OF DETERMINATION0.4104MULTIPLE CORR. COEFFICIENT0.6407

LINEAP	PEGPES	SION				
SOURCE CF VARIATION	C.F.	SUM OF	MEAN	F	р	
DUE TO REGRESSION	8	37.65614	4.70727 4.91744	0.9573	 n.s.	
TOTAL	19	91.75000	4.91744			

VARIABLE	pê a k	STD. DEVIATION	FEG.	STD.ERPOK OF FEG.COS.	COMPUTED T VALUE	PARTIAL CHER. CHE.	SUP OF SQ.	PROP. VAF.
1 2	2.00000		0.26242	0.62660	0.41876	0+12527	2.72722	0.02967 0.11571
3	4.1790J 34596-84796	1.20975	-0.68240	1.46185	-0.46630	-0.13737 -0.13737	1.23582	9.01347 0.01961
13	2.45(.00	1.79136	-0.53555	0.33593	-1.59425	-0.43323 0.21014	14.72435	J.16048
15 14	2.49049	1.03846	-0.36897	0.68201 0.47636	- 3.54386	-0.16075	1.87276	0.02041
,	3.75000	2.19749						

## TABLE 148 SUBURBAN KEY 10

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW	DEPENDENT VARIABLE IS NOW NO. 6 AMALYSIS OF VARIANCE FUR THE MULT LINEAR REGRESSIUN SOURCE UF VARIATICN D.F. SUM OF SQUAFES TU REGRESSICN				COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT		
SOURCE OF VAFIATION	D.F.	•	MEAN SQUARES	F VALUE	p	_	
DUE TO REGRESSICN	8 11	31.42429 34.57571	3.92804 3.14325	1.2497	n.s.		
TCTAL	Tö	66.00030					

VARIABLE	E MÊAN	STD.	PFG.	STP.EFROR	CONPUTED	PASTIAL	SUM OF SQ.	PEOP. VAP.
NÚ.		<u>DEVIATION</u>	CHEFF.	OF PEG.COF.	T VALUE	COP. C.W.	ANDED	CUM
1	2.0000	0.97333	C. 02469	0.50102	0.04508	0.01449	0.50000	0.00758
2	4.70099	1.31842	C.779 <u>37</u>	0.95101	0.73694	0.23036	6.93993	0.10515
3	4.17900	1.20975	0.07748	1.16876	0.0663)	0.01993	1.66687	3.02526
12	34596.34706	49902.10937	- C. 00001	0.00001	-1. 35.44	-0.30351	1.65290	J.02504
13	2.45)))	1.79106	-0.12949	0.26857	-0.48319	-0.14440	6.46943	9.09802
14	<u>1719.75000</u>	4257.21054	-0.00021	0.00012	-1.78136	-0.47317	12.74970	<b>J.19316</b>
15	2.49049	1.00346	0+05426	0.54527	3.36233	0.01894	0.00560	7.00008
	2.35030	1.72520	-0.25787	0.39085	-0.67710	-0.2003	1.44107	0.02193
6	4.00000	1.86375						

## TABLE 149 SUBURBAN KEY 10

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW	NO. 5				F DETERMINATION R. COEFFICIENT	0.2563 0,5063
ANALYSIS OF VA	FIANCE F Regres			_		
SOURCE OF VARIATION	£.F.	SUM INF	MEAN	F VALUE	p	
DUE TO REGRESSION	е 11	17.56527	2.19516	0.4730	n.s.	
TCT AL	19	68.55005				

VARTABLE	MEAN	STD. DEVIATION	REG. CUEFF.	STU-EPROP OF REG-COE.	COMPUTED T VALUE	PARTIAL COFF. COL.	SUN OF SQ.	PRIJP. VAF. CUM.
1 2	2.0000		C.27520 0.39290	0.60738 1.20776	0.45235	0.13514	0.0	0.0 0.03140
3	4.17900	1.20975	0.41330	1.41917	0.291.22	0.08747	0.4)359	0.00589
13	2.45000		-0.20538 -C.00006	0.32612 0.00014	-0.62977	-0.13655	6.42675 1.64255	0.05375
15	2.49049		-0.06511	0.46211	-0.39833	-0.23650	C. 30069	0.00439
5	3.65000	1.00945						

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#### TABLE 150 SUBURBAN **KEY 10**

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 4 ANALYSTS OF VARIANCE FOR THE MULTIPLE

#### COEFFICIENT OF DETERMINATION 0.3149 MULTIPLE CORR. COEFFICIENT 0.5612

LINFLF	FFGRES	SION	•			
SOURCE OF VARIATION	<b>₽</b> •₽•	SUM OF	MEAN	F		
DUE TO REGRESSION	8	<u>SQUARES</u> 22.92648	2.86581	<u>VALUE</u> 0.6321		—
DEVIATION ABOUT REGRESSION	11	49.87357	4.53376		n.s.	
TOTAL	19	72.80005				

VARTABLE	E MEA I	STC. DEVIATION	REG. CNEFF.	STD.ERRUR OF REG.COE.	COMPUTED T VALUE	PARTIAL CURE. COE.	SUM CH SO. ADDED	PROP. VAR.
1	2.00,000	0.97333	0.57396	0.60173	2.95387	0.27640	2.72277	0.03739
2	4.70399	1.31842	1.32682	1.19022	1.11477	0.31860	1.28225	0.01761
3	4.17903	1.20975	-0.75348	1.40370	-0.53678	-0.15977	6.21891	08542
12	34596.84766	49902.10937	-0.00001	0+00001	-0.57367	-0.17044	3.01792	0.04145
13	2.45000	1.79106	-0.18862	0.32256	-0.58477	-0.17364	2.98726	0.04106
14	1719,75000	4253.21094	0.00007	0.00014	0.46470	0.13976	0.71755	0.00986
15	2.49049	1.00846	-0.16030	0.65488	-0.24477	-0.07360	0.78095	0.01073
16	2.35000	1.72520	-0.48973	0.45741	-1.07066	-0.30721	5.19746	0.07139
4	3.60000	1.95744						

TABLE 151 SUBURBAN **KEY 11** 

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SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 9 COEFFICIENT OF DETERMINATION 0.6862 MULTIPLE CORR. COEFFICIENT 0.8283

ANALYSIS OF VAFIANCE FOR THE MULTIPLE LINFAP REGRESSION VARIATION C.F. SUM OF SOURCE CE VARIATION

SOURCE OF VARIATION	C.F.	SUM OF SQUARES	MEAN	F VALUE	p	
DUE TO REGRESSION	я 11	1 6.4 92 C7 8.45795	2.31151 	3.6062	<.05	
τυ*4ι	19	26.95001				

VARIABLE	MÊAN	STD.	ĸEG.	STD.EKFOR	COMPUTED	PAFTIAL	SUN OF SO.	PENP. VAF.
NQ.		DEVIATION	<u>COEE6</u>	OF KEG.COE.	T_VALUE	CUIS. COL.	ADDED	<u>CUM</u>
1	2.00000	0.97335	0.44796	0.24730	1.78756	0.47445	5.55555	0.20614
2	4.7009	1.31842	0.05786	0.49014	2.11804	0.03557	7.48764	0.27783
3	4.17900	1.20975	0.24940	0.57806	0.43144	C.12900	0.57913	0.02149
10 ·	34596.84766	49902.10937	-0.00000	0.00001	-0.19193	-0.05477	0.44565	0.01654
11	2.45000	1.79106	0.02463	C.13283	0.18539	0.05581	0.55974	0.02077
_12	1719.75000	4253.21094	0.03005	0.00000	0.88906	0.25392	0.02947	0.00109
13	2.49049	1.00846	0.59804	0.26969	2.21756	0.55583	3.55461	0.13190
14	2,35000	1.72520	-C.11377_	0.19836	-0.60400	-0.17917	0,28050	0.01041
9	3.55000	1.19097						

TABLE 152 SUBURBAN **KEY 11** 

COEFFICIENT OF DETERMINATION 0.4879

SAMPLE SIZE' 20 MULTIPLE CORR. COEFFICIENT DEPENDENT VARIABLE IS NOW NO. 8 0.6985 ANALYCIS OF VAPLANCE FOR THE SULTIPLE LINFAR REGRESSION SOURCE OF VARIATION SUY IF F D.F. HEAN SQUAPES SQUARES VALUE р 8 21.73544 2.71593 1.3100 22. 81456 2.07405 n.s. 11 TOTAL ... 19 44.55000

VARIABLE	MLVN	ST0.	PEG.	STD.FRFDK	CUAPUTED	PARTIAL	SUN UP SQ.	PEUP. VAR.
NÜ.		DEVIATION	COLFF.	OF RIG.COF.	T VALUE	COF1. COF.	ACOED	CIM.
1	2.00000	0.97333	C.44566	0.40698	1.09504	0.31352	5.55555	0.12470
2	4.70099	1.31842	0.84565	0.80500	1.05049	0.31195	7.70965	0.17203
3	4.17900	1.20575	-C.16409	0.94939	-0.17283	-0.05204	2.10260	6.04720
10	34596.84760	49992.10937	0.00000	0.00001	0,36853	0.11044	0.09378	0.00211
11	2.45000	1.79106	-0.22444	0.21816	-1.03061	-0.29674	3.84411	0.08629
_12	1719.75000	4253.21094	0.01031	0.00010	0.00102	0.02743	0.04486	0.00101
13	2.47049	1.00846	0.11550	0.44273	0.20076	0.07530	0.01953	0.00044
14	2.35000	1.72520	-0.33045	0.30937	-1.06316	-0.30656	2,36646	0.05312
8	3.15000	1+53125						



## TABLE 153 SUBURBAN KEY 11

SAMPLE SIZE 20	
DEPENDENT VARIABLE IS NOW NO. 7	
ANALYSIS OF VAPLANCE FOR THE	MULTIPLE
I INFAR RECRESSION	

# COEFFICIENT OF DETERMINATION0.4288MULTIPLE CORR.COEFFICIENT0.6548

.

SOUR	LINEAR CE CF VARIATION	C.F.	SUM OF SUM SUM SUM SQUARES	NEAN				<u> </u>
	RESSION	8 11	16.52960	2.05620	1.0321	n.s.		
	TOTAL	19	38.55005				 	n
	MEANI STD.		REC STN FREDE	CONDUTED	DARTEN		 00:10	

ND.	E MEAN	DEVIATION	MEG. CUEFF.	UF REG.COE.	T VALUE	CORF. COF.	SUS OF SQ. ADDED	.CUM.
1	2.00000	0.97333	0.51971	0.39994	1.29930	0.36489	4.50000	0+11673
	4.70093	1.31842	-0.00402	<u>C.79087</u>	-0.00508	-0.00153	4.86942	0.12683
3	4.17900	1.20975	0.54172	0.93272	0.53079	0.17249	0.05061	0.00131
10	34596.84766	49902.10937	3.00000	0.00001	0.32461	0.00742	0.00150	0.00004
11	2.45000	1.79106	-0.17608	0.21433	-0.32151	-0.24143	2.83456	0.07353
12	1719.75000	4253.21094	-0.00005	0.00010	-0.55035	-0.16570	1.85441	J.04810
13	2.49049	1.00846	0.37473	0.43515	0.85116	0+25132	1.11555	0.02894
14	2.35000	1.72520	-0.24338	0.30393	-0.80078	-0.23170	1.28367	0.03330
7	3.65000	1.72441						

## TABLE 154 SUBURBAN KEY 11

SAMPLE SIZE 20		
DEPENDENT VARIABLE IS NOW	NO. 6	

COEFFICIENT OF DETERMINATION 0.4647 MULTIPLE CORR. COEFFICIENT 0.6817

ANALYSIS OF VARIANCE FOR THE MULTIPLE

LINEAR	<u> </u>	SION				
SOURCE OF VARIATION	0.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE	ρ	
DUE TO REGRESSION	8	16.84430	2.35554	1.1937		
DEVIATION ABOUT REGRESSION	11	21.70575	1.97325		n.s.	•
TOT 4L • • •	19	40.55005				

VARIABLE NO.	E MEAN	STD. DEVIATION	REG. ÇOEFF.	STD.ERRUR OF REG.COE.	COMPUTED T VALUE	PARTIAL CUER. CDE.	SUN OF SQ.	PROP. VAR. CUM.
1	2.00000	C.97333	0.51124	0.39697	1.28786	0.36193	6.72222	0.16578
3	<u>4.70099</u> 4.17900	<u> </u>	0.40285	<u> </u>	0.51315	0.15237 0.04338	<u>6.32801</u> 0.19510	0.20538
10	34596-84766	49902-10937	¢.00000	0.00001	0,20950	0.06304	0.03244	0.00080
11	2.45000	1.79106 4253.21094	-0.11561 -0.00002	0.21280 0.00009	-0.54330 -0.20683	-0.16160 -0.06784	1.36177	).03358 0.01214
13	2.49047		0.21072	C.43203	0.43776	0.14550	0.25485	J.0067P
<u> </u>	<u>2.35000</u> 3.85000	<u>1.72520</u> 1.46089	-0.25938	0.30176	-0.65956	+0.25098	1.45794	0.03595

## TABLE 155 SUBURBAN KEY 11

SAMPLE SIZE 20 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS OF VARIANCE FOR THE MOLTIPLE LINEAR REGRESSION				COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT			
SOURCE OF VARIATION	C.F.	SUM OF SCUARES	NEAN	VALUE	<u> </u>		
DUE TO REGRESSION	8 1	18.48405	2.31351	1.0561	n.s.		
T()TAL	19	42.55005					

VARTABLE	. MEAN	STD. DEVIATION	REG. CCEFF.	STD.FPPOF	COMPUTED	PARTIAL CORR. COC.	SUM OF SO.	PROP. VAR.
1 2	2.00000 4.70099	0.97333	0.24015	0+41799	0.58889 0.64757	0.17462	3.55556	0.08356
3	4-17900 34596-34766	1.20975	0.05568	0.97508	0.10223	C.03.J21 0.103.27	0.35465 0.33742	0.00833
11	2.45000	1.79106	-0.10039	0.22407	-0.44835	-0.13368 -0.15108	1.17588	0.02764
13	2.49049	1.00846	0.22204	C.45491 U.31774	0.49810	0.14560	0.39183	0.00921
5	3.05000	1.49649						



# TABLE 156 SUBURBAN KEY 11

SAMPLE	SIZE 2	0			COEI	FICIENT OF I	DETERMINATION	0.6427
		LE IS NOW NO	D. 4		MUL	<b>FIPLE CORR.</b>	COE F FICIENT	0.8017
	ANAL	YSIS OF VARE		E MULTIPLE				
	<u></u>		REGRESSIUN_		MEAN	F		
2004	CE CF VARI	ATION		JM OF VARES	SQUARES	VALUE	р	
UE TO REG	RESSICN			.46025	5.05753	2.4737		
	ABOUT REGR			48976	2.04452		n.s	
			19 62.	95001				
		· · · · · · · · · · · · · · · · · · ·					_	
ARIABLE	MEAN	570.	FEG.	STD. FFROR	COMPUTED	PARTIAL		PRIDE VAR
NU.		DEVIATION	CUEFF.	OF PEG.COF	. T VALUE	COPP. COF.		<u></u>
1	2.00000	C.97333	0.56433	0.40407	1.44510	0.35968	10.38989	0.17298
_2	4.70099	1.31642	-0,12911	0.75925	-0.15154	-0.04965	2.55913 0.00620	0.04065
3	4.17900	1.20975 49902.10937	0.50870 0.00000	0.94261	0.53967	0.10)61 0.04967	3.39498	0.05393
<u>10 '34</u> 11	2.45000	1.79106	C. 14094	0.21661	J. 65067	0.19252	0.43234	J.00687
	719.75000	4253, 21094	-0.00032	0.00010	-3.31851	-0.70731	19.84012	0.31517
13	2.49049	1.00846	-0.34407	0.43976	-0.78241	-0.22960	0.77646	0.01237
14	2.35000	1.72520	0.34373	0.30716	1.11905	0.31970	2.56035	0.04067
4	2.95000	1.82021						
			TAI	BLE 157 H	RURAL	KEY 3		
SAMPLE	SIZE 9	9			COEL	FICIENT OF I	DETERMINATION	0. 1979
		SLE IS NOW NO	<b>D.</b> 13				COEFFICIENT	0.4449
•	ANAL	YSIS OF VARI		F MULTIPLE				
SOUP	CE OF VARI		FEGRESSION D.E. SI	UM OF	MEAN	F		
				UARES	SQUARES	VALUE	р	
	RESSION			•5141a	0.66927	0.6169		
EVIATION	ABOUT REGE			.34811	1.11740		11.5.	
• .		TCTAL	26 27	.86230				
ARIABLE	FEAN	STC.	KEG.	STU.ERFOF	CONPUTED		SUN OF SQ.	PENP. VAP
<u>ND.</u>		DEVIATION		UF REG COE		<u>(102, 101)</u>		<u><u><u></u></u></u>
1	1.43276 4.97689	0.78471 0.79248	-0.03924 0.26653	0.28343 0.27674	-0.31437 0.96310	-0.07023	0.53400 2.09796	).01911 J.0753(
3	4.02758	1.55918	0.03952	0.15017	0.25319	0.05375	0.03682	0.00024
-		37206.60156	0.00000	0.00001	0.81566	0.17943	1.1.3499	0.04249
15	3.37931	1.32055	-0.10107	0.17401	-0.58186	-0.12880	1.10655	J.00382
16	574.17236	1537.29199	0.00004	C.00015	0.25714	0.05963	0.22124	0.00816
17	2.27241	C.91968	0.24890	0.25630	0.96927	0.21182	0.63685	3.0246
<u>18</u> 13	2.27586	<u> </u>	-0.10194	U.13267	-0.76938	-0.16933	0.65472	0.0236
			TAI	BLE 158 F	RURAL	KEY 3		
SAMPLE	SIZE 2	9			COEF	FICIENT OF I	DETERMINATION	0.2190
DEPENDE		LE IS NOW NO			MULT	IPLE CORR.	COEFFICIENT	0.4679
	ANAL	YSIS OF VARI LINEAP	ANUE FOR THE Regression	E MULTIPLE				
SOUR	CE CE VARI		C.F. St	UM DF	MEAN	F		
115 TO 050	RESSICN			<u>UARES</u>	SQUARES 2.45765	VALUE 0.7(07	р	
	ABOUT REGR		20 70	.13188	<u></u>		n.s.	
				.79311				
ARIABLE	MEAN	sto.	REG.	STD. ERPOR	COMPUTED			PROP. VAR
NO.		DEVIATION		OF REG.COF		<u>, 10, 1400</u>		<u>CUM.</u>
1	1.48276	C.78471	0.05749	0.50213	0.11451	0.02560	0.20110	0.00224
2	4.97689	0.79248	-0.47178	0.49024	<u>-0.96235</u> 1.59075	-0.21637	<u>1.93518</u> 6.47239	0.07155
3 14 25	4.02758	1.55818 37206.60156	0.42319 0.00001	0.26603 0.00001	0.62587	0.13063	0.4723" 1.764 <u>49</u>	0.01208
<u>19 72</u> 15	3.37931	1.32055	0.25165	0.30825	0.81636	0.17958	0.33520	0.00373
16	574 17230	1537.29199	-0.00039	0.00026	-1.50361	-0,31968	8,67109	0,19657
17	2.27241	C.91988	-0.08322	0.45491	-0.19294	-0.04037	0.04577	0.00051
18	2.27586	1.83023	0.06198	0.23502	0.25947	0.05792	0.23608	0.00263
12	2.72414	1.79078						

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TABLE 159 RURAL

KEY 3

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SAMPL DE PENI		29 ABLE IS NOW N	10. 11		MUI	TIPLE CORR.	DETERMINATION COEFFICIENT	0.4275
	ANAI	LYSIS OF VARI		E MULTIPLE				
รถบ	RCE OF VAR	LINEAR	REGRESSION D.F. S	UM OF	MEAN			
				UARES	SQUAFES	VALUE	D	
EVIATION	GRESSION			.69312	3.83664	1.6673	<.01	
		TOTAL		<u>.10010</u> .79321	2.05500			·
			<u>`</u>					
ARIABLE	MEAN	STD.	ktG.	STD.FR.UR	COMPUTED	PAFTAL	SUM UF SQ.	PF.JP. VA
<u>NO.</u>	1.48270	<u>DEVIATION</u> 0.78471	<u>COTFF.</u> -0.01205	0.38437	-0.J2134	COFF. COF		<u>CUM.</u>
	4.97639	0.79248	-0.59082	0.37530		-0.00701 -0.33205	1.37110 3.11159	0.0191
3	4.02758	1.55818	0.57631	0.20365	2.32985	0.53472	10.80047	0.1504
<u>14 2</u> 15	<u>3.37931</u>	37206.60156 1.32055	<u>0.00001</u> C.49599	0.00001	1.27084	0.27335	4.73112	0.0659
16	574.17236	1537.29199	-0.00003	0.23548 0.00020	2.10136 -0.17337	0.42535	3.5934R	0.1197
17	2.27241	0.91988	-0.04985	0.34825	-0.14315	-0.03199	0.14883	0.0020
<u>18</u>	2.27536	1.33023	-C.15842	0.17542	-0.33350	-0.19318	1.59321	0.0221
••		1.60126						
			ТА	BLE 160	RURAL	KEY 3		
SAMPLE	SIZE	29			COE	FICIENT OF	DETERMINATION	0 9970
DEPEND	ENT VARIA	BLE IS NOW NO	D. 10 ANCE FOR THE		MUL	TIPLE CORR.	COEFFICIENT	0. 2279 0. 4774
	RCE CF VART	LINEAR	PEGPESSE		MEAN			
	RESSIUM		Sul	AKES	SQUARES	VALUE	р	
VE TO REC	ABOUT PEGP	ESSTRES :		18559 67271	1.64873	0.7381		
				66230	2.23363		<u> </u>	
RIABLE	FIAN	STD.	REG.	STD. FRADR	COMPUTED	PARTIAL	SUP OF SC. P	
<u>ND.</u>	1.48276	<u>DEVIATION</u> 0.78471	0.05136	0F REG.COF C.40073		CORP. COF.		CUM.
2	4.97689	<u>0.79248</u>	0.04816	0.39127	0.12816	0.02864	0.22407 0.01172	00038
3	4. J2758	1.55818	0.13316	0.21232	0.02718	0.13853	1.05942	<u>0.00020</u> 0.01831
<u>14 25</u> 15	3.37931	37266.60156	0.00001	0.00001	1.5236)	0.32343	3.97834	3.06876
16	574.17236	1.32055 1537.29199	C.29866 0.00009	0.24632	1.21398	0.20197	5.56047	0.09610
17	2.27241	C.91988	-0.08716	0.36307	-0.24006	<u>    0.09663   </u> -0.05360	0.45135	0.00780 0.00002
<u>18</u> 10	2.27586	1.83023	0.17314	0.18757	0.92337	0.20214	1.90317	_0.03289
	3.93103	1.43754						
			TAE	BLE 161 7	RURAL	KEY 3		
SAMPLE		9			COEF	FICIENT OF I	DETERMINATION	0, 2945
DEPEND	ENT VARIAE	BLE IS NOW NO	NCS FOR THE	MULTIPEE	MULI	TIPLE CORR.	COEFFICIENT	0. 5427
SIUK	CE OF VARIA		EGRESSICN •F• SU	N OF	MEAN	F	<u> </u>	
E TO REG	RESSIGN					VALUI	<u>р</u>	
	ABUUT REGRE	<u>551002</u>	• • •	09164 73599	2.38541	1.0436	n.s.	
		TOTAL 2	b 64.	82764				
RIABLE NU.	MEAN	STD. DEVIATION	REG. CUFFF.	STD.ERROR DF REG.CUE.	COHPUTED T VALUE	PARTIAL CURR. COL.	504 CF 50. PI	4119 . 4119
	1.48276	C.78471	0.00132	0.40547	0.00327	0.0073	0.00559	0.0009
1	4.97689	<u> </u>	-0.46721	0.30590	-1.13012	-0.25515	2.32521.	0.00009
2 .	4.02758	1.55818 7206.60156	0.37875	0.21483	1.76301	0.36675	8.04981	0.12416
<u>2</u> . 3			<u> </u>	<u>0.00001</u> U.24393	<u>1.45939</u> 0.54984	<u>0.31023</u> 0.12703	<u> </u>	0.06908
2 . 3 14 25	3.37931	1.32055		~~~~~			1.97640	0.03049
2 3 14 25 15 16	3.37931 57 <u>4.172</u> 36	1.32055 1537.29199	0.00000	0.00021	0.01538	0.00744	0.07670	0.00119
2 3 14 25 15 16 5 17	3.37931 <u>574.17236</u> 2.27241	<u>1537.29199</u> C.91988	0.00000 0.19708	0.36736	0.53546	0.00344	0.07670	0.00118
2 3 14 25 15 16	3.37931 57 <u>4.172</u> 36	1537.29199	0.00000					

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TABLE 162 RURAL

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KEY 3

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DEPEND	SIZE 29 ENT VARIABI ANALY	LE IS NOW NO	ANCE FOR THE	MULTIPLE		IPLE CORR. C	ETERMINATION OEFFICIENT	0.3301 0.5746
seu	JRCE OF VARIA			IM OF	MEAN	F	р	•
	GRESSILN			JARES 02733	SQUARES 2.00342	VALUF 1.2319	P	
	ABOUT REGRE	-SSICN	20 32	<u>52443</u> 55176	1.62622		n.s.	
ARIABLE	MEAN	STD.	REG.	STD.EFROP	COMPUTED	PARTIAL CORR. COF.	SUM OF SO.	<u>разр.</u> V/ Сим.
<u>NO.</u>	1.48276	DEVIATION C. 78471	<u> </u>	OF REG.CO	<u> </u>	-0.34059	8.59371	0.177
2	4.97689	0.79248	-0.42634	C.33385	-1.277.33	-0.27458	0.82806	5.017
3	4.02758	1.55818	0.29812	0.18117	1.59038	0.33506	1.74357	0.035
<u>14</u> 2 15	<u>25426.13672 :</u> 3.37931	1.32055	<u> </u>	0.20992	0.11687	0.02612	<u>0.24363</u> 1.91996	0.039
16	574.17236	1537.29199	-0.0004	0.00013	-0.24180	-0.05779	0.00116	0.000
17	2.27241	C.91988	0.36421	0.30979	1.17556	0.25425	1.55876	0.032
<u>16</u> 8	2.27586 3.65517	1.83023 1.31681	-0.13392	0.16005	-0.83673	-0.18391	1.13855	0.023
			TAE	BLE 163	RURAL	KEY 3		
SAMPLE Depend	ENT VARIAB	LE IS NOW NO		MULTIPLE		FICIENT OF DE IPLE CORR. C	ETERMINATION OEFFICIENT	0.6671 0.8168
500	JRCE CF VARIA	AT ION I		IM OF	MEAN	F	•	
	GRESSION			148ES 32582	SCUARES 3.41623	VALUE 5.0107	P	
	ABOUT REGRE			63570	0.68179	3.0107	N.S.	
ARIABLE	YEAN	510.	REG.	STD.ERROF	COMPUTED	PASTIAL	SUM OF SC.	PR.1P. V.
ND.		DEVIATION	CLFE.	OF REG.CO	F. T VALITE	COFK. COF.	U1CUV	CUM.
1 2	1 •48276 4 •97689	0.78471 0.79248	-C.95807 -0.34093	0.22140 0.21617	-4.32741 -1.57714	-D.69539 -0.33259	13.90350	0.339 ).010
3	4. J2758	1.55818	0.31689	0.11730	2.70147	0.51706	3.93502	0.096
	5420.13672	37236.60156	3.00000	0.00000	0.27179	0.06066	0.03366	)•000
15	3.37931	1.32055	0.19016	0.13592	1.39936 -0.45154	0.29857	3.85924	0.000
$\frac{16}{17}$	574.17236	<u>1537.29199</u> 0.91988	-0.00005	C.00011 U.20059	2.16827	0.43627	4.45701	0.000
18	2.27586	1.83023	0.10417	0.10363	·1.J0523	0.21930	0.68893	9.016
7	4 •03448	1.20957						
			TÀE	LE 164 I	RURAL	KEY 3		
SAMPLE DEPEND	ENT VARIAB					FICIENT OF DE	CTERMINATION OEFFICIENT	0.2835 0.5324
		LINEAR F	FCRESSION					
500	RCE OF VARIA		•F• SU	MOF	HEAN	F	_	
115 TH 25	GRES SIGN			ARES 66773	SQUARES 1.58347	VALUE 0.9890	P	
	ABJUT REGRE			02196	1.60110	0.,0,0	<.01	
		TCTAL 2	6 44.	68570				
			K.E.G.	STO. FRROR	COMPUTED	PARTIAL	50% CF 5Q.	PFOP. VA
ARIABLE	MEAN	STD.				CUFR. COF.	ADDED	CIN.
ARIABLE NG.	MEAN	DEVIATION	CIGE FF •	OF PFG.COR				3 0157
NG. 1	1.43270	DEVIATION C.78471	-0.17983	0.33928	-0.53005	-0.11770	0.68765	
NG. 1 2	1.43270	DEVIATION C.78471 0.79246	-0.17983 -0.30251	0.33928	-0.53005 -0.91320	-0.2007	1.03799	0.0232
NG. 1 2 3	1.43270	DEVIATION C.78471 0.79246 1.55813	-0.17983	0.33928	-0.53005			0.0232
NG. 1 2 3 14 2 15	1 •43276 4 •97689 4 • 32758 5426 • 13672 3 3 • 37931	DEVIATION C.78471 0.79246 1.55818 7206.60156 1.32055	-0.17983 -0.30251 -0.06026 0.00000 0.25154	0.33928 0.53127 0.17976 0.00001 0.20429	-0.53005 -0.91320 -0.33521 0.37123 1.20763	-0.2007 -0.07475 0.03275 0.26070	1.03799 1.06897 0.30400 5.68754	0.0232 0.0373 0.0068 0.1271
NG. 1 2 3 14 2 15 16	1 •43276 4 •97689 4 • 92753 5426 • 13672 3 3 • 37931 574 • 17236	DFVIATION C.78471 0.79245 1.55818 7206.40156 1.32055 1537.20139	-0.17983 -0.30251 -0.06026 0.00000 0.25154 C.00002	0.23928 0.33127 0.17976 0.00001 0.20829 0.00016	-0.53005 -0.91320 -0.33521 0.37123 1.20763 0.13266	-0.2007 -0.07475 0.03275 0.26370 0.02965	1.03799 1.06897 0.30400 5.68754 0.31349	0.0232 0.0373 0.0068 0.1271 0.0070
1 2 3 14 2 15	1 •43276 4 •97689 4 • 32758 5426 • 13672 3 3 • 37931	DEVIATION C.78471 0.79246 1.55818 7206.60156 1.32055	-0.17983 -0.30251 -0.06026 0.00000 0.25154	0.33928 0.53127 0.17976 0.00001 0.20429	-0.53005 -0.91320 -0.33521 0.37123 1.20763	-0.2007 -0.07475 0.03275 0.26070	1.03799 1.06897 0.30400 5.68754	0.0154 0.0232 0.0373 0.0068 0.1271 0.0063 0.0663 0.0000

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KEY 3

DEPENDE		BLE IS NOW N LYSTS OF VARI LINEAR		F MULTIFIE	MUL	TIPLE CORR.	DETERMINATION COEFFICIENT	0.4108
SOUR	CE OF VAR		0.F. S	UNIF	MEAN	F		
JE TO REG	RFSSICN			UARES	<u>5004975</u> 2.30449	VALUE 0.5076	D	
VIATION /	AROUT REG	RESSICN	<u>70 90</u>	.80554	4.54378		<u>n.s.</u>	
		TJ*AL	28 109	.24146				
RIABLE	MEAN	STD.	RFG.	STD.ERBOP	COMPUTED	PARTIAL	<u></u>	2619. VA
NO.		DEVIATION	CUEFF.	DE REG.CO	F. T VALUE	cree, cue	• <u>APDE0</u>	C114
1	1.48270		0.43553	0.57133	0.76231	0.16103	4.05339	1.0451
2	<u>4.07609</u> 4.02758	<u>0.79248</u> 1.55318	- <u>J.12820</u> J.24425	0.30271	-0.22982	<u>-0.05132</u> 0.17750	0.56748	<u></u>
-		37206.60156	0.00001	0.00001	0.54581	0.12115		1.0045
15	3.37931	1.32055	0.04443	0.35076	1.12666	0.02331	0.67770	0.006 Z
<u>16 9</u> 17	<u>574 • 17236</u> 2 • 27241	<u>1537.29199</u> C.91988	0.00016	0.00030	<u>0.54991</u>		1.38412	1.0126
18	2.27536		0.21538	0.51763 0.26743	).27437 	-0.06124 0.17734	J.01075 2.94501	0.0001
5	3.43276	1.97522						<u> </u>
			TA	BLE 166	RURAL	KEY 3		
SAMPLE S		29	_				DETERMINATION	0.3256
DEPENDE		BLE IS NOW NO		F MULTIPLE	MULI	TIPLE CORR.	COEFFICIENT	0.5706
SOUR	CE CF VAR		FEGRESSION C.F. S		MCAN			
10 TO 650				UARES	SQUARES	VALIIF	P	
		RESSICN		.75610	5.75951 4.94668	1.2068	n.\$.	
VIATION	<u>ABCO1 - ( )</u>	TUTAL		.68970	4.77003	· · · · <u></u>		<u> </u>
NO.	MEAN	STD. DEVIATION	FEG. COFFF.	STD.CFPOF OF REG.CO	COMPUTER E. T. VALUE	PANTIAL CORR. COE	SUM OF SQ. • ADDED	PROP. VA
1	1.48276		0.48881	0.59635	0.41467	0.13023	4.74165	J.0289
3	4.97689	<u> </u>	<u>-0.42913</u> 0.81530	<u>C.58227</u> 0.31597	<u>-0.73599</u> 2.53032	-0.16260	0.30387	<u>0.0020</u> 0.1815
-		37206.60156	0.00001	0.00001	0.47213	0.10499	1.75088	0.0119
15	3.37931	1.32055	C.41879	0.36612	1-14336	0.24780	2.37326	0.0161
<u>16 9</u> 17	5 <u>74.17236</u> 2.27241	<u>1537.29199</u> C.91988	-0.00048 -0.01141	<u>0.00031</u>	-1.54639	-0.32680	12.38806	<u>).0844</u>
18	2.27586		0.03218	0.54031 0.27914	-0.02111 0.11528	-0.0C472 0.02577	0.00071 0.06575	ა.აიიი ი.0004
4	3.10345	2.28837						
			TA	BLE 167	RURAL	KEY 2		
SAMPLE S		29			COEF	FICIENT OF	DETERMINATION	0.2694
DEPENDE	NT VARIA	BLE IS NOW N	0. 15		MULT	IPLE CORR.	COEFFICIENT	0.5190
		YSIS OF VARI	ANCE FUR THE REGRESSION	EMULTIPLE				
	E OF VARI		SQ	UM UF UARES	MEAN SQUARES	F VALUE	P	
				.74373	5.34296	0.9216		
VIAILUN A	IDOUT REGA			.94 <u>500</u> .68970	5.79730			
RIABLE	PEAN	STD. DEVIATION	REG. CUEFF.	STD.ERPOR OF REG.COF	COMPUTED	PARTIAL COPR. COF		PPOP. VAP
1	1.48276	0.78471	-0.73844	0.64559	-1.14332	-0.24779	4,13065	0.02609
<u>9</u> 10	4.97689	<u>0.79249</u> 1.5531B	0.07868	0.63035	0.12482	0.07790	2.15967	1.01361
		37206.60156	0.00001	0.34206 0.30001	0.21121 0.87061	0.04718 0.19109	5.07243 1.16968	0.03196 0.00737
17	3.37931	1.32055	J. 27576	0.39635	0.69574	0.15372	0.90017	0.00567
	74.17236	1537.29199	0.00014	0.00033	0.42592	0.09479	0.01096	0.00007
19	2.27741 2.27586	0•91988 1•83023	-1.21173 0.42985	0.58492 0.30219	-2.071o2 1.42244	-0.42032 0.30310	17.56140	0.11067
20			<u>v • 44 70 J</u>	V1JU217		しゅういきたい	11.72990	0.07392
<u>20</u> 15	4.10345	2.38065						_

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TABLE 168 RURAL

KEY 2

COEFFICIENT OF DETERMINATION 0.4287 MULTIPLE CORR. COEFFICIENT 0.6548

COEFFICIENT OF DETERMINATION 0.4527

MULTIPLE CORR. COEFFICIENT 0.6728

SAMPLE SIZE	29			
DEPENDENT VAI			N THE MULTIPLE	L
-		R REGRESS		•
SUURCE OF V	ARIATION	0.F.	SUM OF	MEXI
			C.114A.0 E.C	50030

SUCKCE OF VARIATION	U+F +	SUUARES	SQUIRES	VALUE	Ρ	
DE TO REGRESSION	8 20	20.49017 27.30304	2.56127 1.36515	1.9762	n.s.	
TOTAL	28	47.79321				

VARTABLE	MEAN	STD.	RFG.	STU.FKROF	COMPUTER	PARTIAL	50% of \$0.	PROP. VAF.
NO.		DEVIATION	CCEFF.	OF REG.COS.	T VALUE	CCRR. COF.	AUDED	<u>CUM .</u>
1	1.48276	J.78471	-0.82433	C.31328	-2.63129	-0.50711	12.81108	).26805
9	4.97689	0.79248	0.01687	0.30587	0.05514	0.01233	J. 46372	<u>0.C0970</u>
10	4.02758	. 1.55818	0.22412	0.16599	1.35023	0.28903	2.16688	J.04534
16	25426.13672	37206.60156	C.00001	0.00001	1.12516	0.24419	2.13130	0.04459
17	3.37931	1.32055	-C.030J3	0.1923	-0.15611	-0.03489	0.16165	0.0033P
18	574.17236	1537.29199	C. 00001	0.00016	0.06715	0.01499	0.14344	0.00405
19	2.27241	0.91988	0.38030	0.28384	L. 33933	0.23697	2.54729	0.05330
20	2.27586	1.83023	-0.01534	0.14664	-0.10460	-0.02333	0.01494	0.00031
14	4.27580	1.30648						

#### TABLE 169 RURAL

KEY 2

SAMPLE SIZE	29
DEPENDENT VAR	IABLE IS NOW NO. 13
A	VALYSIS OF VARIANCE FOR THE MULTIPLE
	LINFAP REGRESSION

LINFAF	P P OF E 2	21.10				
SUURCE OF VAFIATION	C.F.	SUM OF	MEAN	F		
		SQUARES	SQUAFES	VALUE	Р	
DUE TU REGRESSION	8	33.18736	4.14342	2.067:	-	
DEVIATION ABOUT REGRESSION	20	40.12318	2.00616		n.s.	
TOTAL	28	73.31055				

VARIABLE	MEAN	STR. DEVIATION	REG. COFFF.	STD. ERF DP DF REG.COF.	COMPUTED T VALUE	PARTIAL CORR. CDF.	SUM OF SQ.	PROP. VAR. CUM.
1	1.43276		-1.29095	0.37977	-3.39926	-0.60514	29.67828	J.40483
9	4.97689	0.79248	0.12951	C.370a1	0.34927	0.07786	0.04321	0.00066
10	4.02758	1.55818	-0.02039	0.20122	-0.10133	-0.02265	0.14527	J.00191
16	25426.13672	37206.60156	0.00001	0.00001	0.95957	0.20979	1.65082	0.02252
17	3.37931	1.32055	-0.15250	0.23316	-0.654.5	-0.14471	0.89337	2.01212
16	574.17236	1537.29199	0.00011	0.0020	0.53639	0.11909	0.41757	0.00570
19	2.27241	C.91988	-0.14320	0.34408	-0.41517	-6.09216	0.34618	0.00472
20	2.27516	1.83023	0.01114	1.17777	0.06268	0.01401	0.00786	0.00011
13	3.75362	1.61810						

#### TABLE 170 RURAL KEY 2

SAMPLE SIZE 29 DEPENDENT VARIABLE IS NOW NO. 12

## COEFFICIENT OF DETERMINATION 0.4485 MULTIPLE CORR. COEFFICIENT 0.6697

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ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR FEGRESSION SOURCE OF VARIATION D.F. SUM OF MEAN F SQUARES SQUARES VALUE р DUE TU PEGRESSIGN...... DEVIATION ABOUT REGRESSICN... 9 27.56107 2.44513 2.0773 <u>20</u> 28 1.69437 n.s. 33. PE742 TCTAL ... 61.44849

VARIATL	PEAN	STD.	- FEG.	STD.ERRUR	COMPUTED	PAFTIAL	SUB OF SQ.	PROP. VAP.
<u>ND</u> _		DEVIATION	CUEFF.	DE PEG.COE.	T VALUE	COSP. COF.	VODED.	C114 •
· 1	1.40270	0.78471	-0.67582	0.34502	-1.93035	-0.39734	2.04027	0.03320
9	4.97639	C. 79248	0.42402	0.34.178	1.24426	0.26104	2.58460	0.04206
10	4.02758	1.55818	0.06561	0.13492	0.35478	0.07903	0.30034	0.00489
16	25426.13672	37206-60156	0.00002	0.00001	2.43465	0.43566	6.06289	0.13154
17	3.37931	1.32055	0.15523	0.21427	0.72444	0.15990	1.87129	0.03045
18	574.17236	1537.29199	-0.00018	0.0018	-1.00189	-0.21861	0.93033	0.01514
19	2.27241	0.91988	0.18158	0.31622	0.57423	0.12736	2.76512	0.04500
20	2.27586	1.83023	0.37623	0.16377	2.30296	0.45782	8.93631	0.14624
12	4.13773	1.48141						

TABLE 171 RURAL KEY 2

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SAMPLE Depend	ENT VARIA		D 11 ANCE FOR TH REGRESSION	E MULTIPLE			DETERMINATION COEFFICIENT	0. 4418 0. 6647
SOL	IRCE CF VARI		E.F. 5	UM OF UARES	MEAN SCUAFES	F VALUE	0	
OUE TU RE	GRESSION			.39301	3.42413	1.9789		
	ABOUT REGR	ESSICN		.00699	1.73035		n.s	
			20 02					
VARIABLE	MEAN	STD.	KEG.	STD. ERKOF	COMPUTED	PAFTIAL	50% OF 50.	PEUP. VAR.
NU.		DEVIATION	COEFF.	OF REG.COE	. T VALUE_	COSK. COF	. <u>ADDED</u>	CUM.
1 9	1.48270 4.97689	0.70471 0.79248	-0.44778 0.46358	0.35270 0.34438	-1.26955 1.34515	-0.27309	1.45000	0.02339 0.10961
10	4.02753	1.55818	0.23999	0.18688	1.27336	0.27484	0.55830	0.00900
16	5420.13072		0.00001	0.00001	1.52024	0.32186	4.38744	J.0707;
17	3.37931	1.32055	0.32942 -0.00030	0.21654 C.0CC18	1.51671 -1.62705	0.32113 -0.34190	5.18133 2.89769	0.08357 0.04674
<u>18</u> 19	2.27241	<u>1537.29199</u> 0.91988	0.43003	0.31956	1.34572	0.28815	4.78198	0.07713
20	2.27586	1.83023	0.14531	0.16509	0.98017	0.19311	1.34051	0.02162
11	4.00000	1.48805						
			TAI	BLE 172 F	RURAL	KEY 2		
SAMPLE DEPENI	ENT VARIA	SLE IS NOW NO	ANCE FOR TH	E MULTIPLE			DETERMINATION COEFFICIENT	0.4256 0.6523
	JRCE CF VAR		REGRESSION C.F. SI	UM OF	MELN	F		_
				UARES	SQUARES	VALUE	p	
	GRESSION			.24039 .51840	6.53005	1.8523	n.s.	
DEVIATIO	ABUUT REUN	TOTAL		.75879				
	•		L		· · · · ·	<u></u>		
VARIABLE	MEAN	STD.	REG.	STD.EPPOR	CUMPUTED		SUP OF SQ.	PR10. VAR.
<u>NO.</u>	1.48270	0EVIATION 0.78471	-0.10982	0F FFG.CUF 0.50349	-J.35729	<u>-0.07521</u>	• <u>400E0</u> 0.88067	CUM. 3.00717
9	4.97689	6.79248	-1.31511	0.49159	-2.67520	-0.51336	25.82785	0.21036
10	4.92758	1.55818	0.49493	0.26676	1.35535	0.38320	14.74513	3.12011
	25426.13672		0.30001	0.00001	1.23977 0.66985	0.26715	4.71856	0.03844
17	3.37931	1.32055 1537.29199	0.00008	0.00026	0.31924	0.07123	0.62417	0.00508
19	2.27241	C. 91 988	0.11533	0.45616	0.25283	0.05644	0.61290	0.00499
20	2.27586	1.83023	0.12260	C.23567	0.52023	C.11555	0.95426	<u>0.00777</u>
8	3.20690	2.09386				_		
			TAI	BLE 173 R	URAL	KEY 2		
SAMPLE	SIZE 2	9			COEF	FICIENT OF	DETERMINATION	0.1700
		BLE IS NOW NO	0.7				COEFFICIENT	0.4123
		YSIS OF VARI	ANCE FOR THE	MULTIPLE				
Sou	RCE OF VARI		-	JM UF	FEAN	• F		
	GRESSION			1ARES	<u>59UAFES</u> 2.78342	VALUF 0.5121	_ <b>p</b>	
	ABOUT REGP	ESSION	20 108.	69820	5.43491		<u>n.s.</u>	-
		TOTAL	28 130.	96558			<u> </u>	
			- ·	A				· · · · · · · · · · · · · · · · · · ·
VARIABLE	PEAN	STC. DEVIATION	KEG. CUFFF.	STD.EFFOR OF REG.COF	COMPUTED T VALUE	PARTIAL CORK. COE.		PROP. VAF. CIM.
· 1	1.48276	0.78471	-0.39255	0.02509	-0.62799	-0.13705	0.71751	0.00548
, <u> </u>	4.97689	0.79248	-0.10418	0.61033	-0.30177	-0.06732	1.59906	0.01221
10	4.02758	1.55818	0.13284	C.33119	0.40110	0.08 33	4.46922	0.03413
<u>16 2</u> 17	<u>5426.13672</u> 3.37931	<u>37206.60156</u> 1.32055	-0.06747	0.00001	<u>1.37967</u> -0.17532	0.29480	<u> </u>	0.05379
16		1537.29199	C.00014	C.03032	0.44763	C.09960	1.37494	0.01050
19	2.27241	0.91988	-0.07014	0.56534	-0.17.85	-0.02768	0.21651	0.00165
20	2.27586	1.83023	<u>C. 32629</u>	0.29259	1.11518	0.24195	6.75897	9.05161
1	3.90552	2.16272						

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SAMPLE SIZE 29 DEPENDENT VARIABLE IS NOW NO. 6 ANALYSIS OF VARIANCE FOR THE MULTIPLE

## COEFFICIENT OF DETERMINATION 0.5751 MULTIPLE CORR. COEFFICIENT 0.7583

COEFFICIENT OF DETERMINATION 0.8210

0.9061

**MULTIPLE CORR. COEFFICIENT** 

LINFAR	FEGRES	STON				
SOURCE OF VARIATICN	C.F.	SUM OF SQUARES	MEAN SQUARES	F VALUE	р .	
DUE TO REGRESSION	8	66.03164	8.32375	3.3836	< .01	
DEVIATION ABOUT REGRESSION	20	49.23667	2+46153		01	
10140	C 11	113101230				

VARIABLE	MFAN	STD.	REG.	STC.EPROP	COMPUTED	FARTIAL	SUM OF SO.	PP JP. VAF.
NO.		DEVIATION	CUEFF.	OF REG.COE.	T VALUE	CUPK. COF.	ΑΓΩΕΡ	CUM.
1	1.48276	C.78471	-0.16598	6.42067	-0.3945:	-0.04785	3.68006	0.03176
9	4.97689	C.79248	-0.31962	0.41074	-0.77814	-0.17142	0.40661	0.00351
10	4.02758	1.55818	0.78985	U.22289	3.54369	0.62106	50.73574	0.43789
16	25426.13672	37206.60156	0.00001	0.00001	1.00576	0.21941	2.77817	0.02398
17	3.37931	1.32055	-0.26222	0.25827	-1.01532	-0.22140	2.12720	0.01836
18	574.17236	1537.29199	0.00030	0.00022	1.39610	0.29800	3.90670	0.03372
19	2.27241	C.91988	-0.19306	0.38114	-0.50655	-0.11255	1.43337	0.01237
20	2.27586	1.83023	-9-15699	0.19691	-0.79725	-0.17550	1.56455	1.01350
6	4.00856	2.03419						

# TABLE 175 RURAL

KEY 2

SAMPLE SIZE 29 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS OF VARIANCE FOR THE MULTIPLE

LINEAR	REGRES	STON				
SUURCE OF VARIATION	0.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE	Ρ	
DUE TU REGRESSION	8	91.16090	11.39511	11.4675	· · · · ·	
DEVIATION ABOUT REGRESSION	20	19.87376	().99363		<.001 ·	
TOTAL	28	111.03467				

VARIABLE	PEAN	STD. DEVIATION	REG. COEFF.	STD.FRRUK UF REG.CUE.	CUMPUTED T VALUE	PARTIAL CURP. COF.	5-14 OF SQ.	PROP. VAR. CUM.
1	1.48276	C.78471	0.00972	0.26728	0. 33636	0.00913	0.00248	0.00002
9	4.97689	0.79248	-0.51248	0.26097	-1.96372	-0.40206	1.17033	0.01054
10	4.02758	1.55818	1.09042	0.14162	7.69989	0.66473	86+80298	0.78176
16	25426.13672	37236.60156	0.00001	0.00001	1.02202	0.22279	0.67552	0.00608
17	3.37931	1.32055	-0.05J30	0.16439	-0.30654	-0.00638	0.50463	y.0C454
18	574.17236	1537.29199	-0.00007	0.00014	-0.53614	-0.11303	0.48890	0.00440
19	2.27241	0.91988	-0.22607	0.24216	- 3.93686	-0.20504	0.44736	0.00403
	2.27586	1.83023	0.12977	0.12511	1.03720	0.22594	1.06913	0.00963
5	5.41379	1.99130						

# TABLE 176 RURAL KEY 2

SAMPLE SIZE 29 DEPENDENT VARIABLE IS NOW NO. 4 ANALYSIS OF VAPIANUS HIM THE MULTIPLE LINEAR PERESSIUN

.

# COEFFICIENT OF DETERMINATION 0.5550 MULTIPLE CORR. COEFFICIENT 0.7450

SOURCE OF VAPIATION SUM OF MEAN D.F. SUUARES 88.73116 SOHAPES VALUE р DUE TU REGRESSION...... 8 11.09139 3.1185 3.55654 <.05 20 71.13115 TOTAL ... 159.86230 28

VARIABLE	MEAN	STD.	REG.	STD-ERROR	COMPUTED	PASTIAL	- 2114 W. 20.	FROP. VAR .
NU•		DEVIATION	COFFF.	OF REG.COE.	T VALUE	FORR. COF.	. AD>ED	CUM.
1	1.49276	C.78471	-0.31155	0.50566	-0.61612	-0.13643	5-84005	0.07657
	4.97689	0.79246	<u>-C.51117</u>	0.49372	-1.03535	-0.22555	1.58343	0.00990
10	4.02758	1.55618	0.94193	0.26792	3.51570	0.61304	66.46413	0.41576
16	25426-13672	37206.60156	0.00001	0.00001	0.76500	0.10861	2.71252	0.01697
17	3.37931	1.32055	-0.26140	0.31044	-0-84201	-0.19503	6.05563	0.03788
_18	574.17236	1537.29199	0.00005	0.00026	0.20593	0.04600	0.00493	J.00003
19	2.27241	C. 91988	-0.39525	0.45614	-0.96273	-0.18942	4.34214	0.02716
20	2,27536	1.83023	-0.16502	0.23669	-0.69718	-0.15403	1.72867	0.01081
4	4.93103	2.38943						

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TABLE 177 RURAL

SAMPL								
	E SIZE 2	9			COE	FFICIENT OF	DETERMINATION	0.3008
DEPEN	DENT VARIAE	BLE IS NOW N	O. 3				COEFFICIENT	0.5484
	ANAL	YSTS OF VAFI	LANCE FUS TH	E MULTIPLE				
		LINEAP	REGRESSION					
20	URCE CF VAP1	ALLON		U4 NF 1748FS	MEAN	F VALU ^r	-	
	EGRES STON			• 54710	C.31839	1.0754	p	
	N ABOUT REGR			.92117	0.29630	•••••	n.s.	
		TOTAL	2 <b>R</b> 8	.46826				
					_			
VARIABLE	PEAN	STD.	REG.	STG.EFRO-	COMPUTER	PRETAL	SUM OF SC.	PE 10. 175
NQ.		DEVIATION		OF FEG.COF		CUSE. COL		čet,
1	1.48276	C.78471	6.12134	C.14589	0.83172	C. 16284	0.22486	0.02655
<u>9</u> 10	<u> </u>	<u>C.79746</u> 1.55918	C.14631 0.14292	<u>0.14245</u> 0.07730	<u>1.J2711</u> 1.84896	0.21344	<u> </u>	0+12189 0+06573
	25426.13672		-0.00000	0.00000	-0.45022	-0.10017	0.01370	1.00221
17	3.37931	1.32055	0.07551	0.02957	0.84303	C+13524	0.23836	0.02315
18	574.17236	1537.2919	-0.03007	0,00008	-0.94715	-0.20719	0.16504	1.01996
19 20	2.27241 2.2758ú	C.91988 1.83023	0.13434	0.13213	1.01637	0.27102	0.76981	0.03186
3	0.53793	C.54994	-0.02432	0.06829	-0.35507	-0.07927	0.03754	0.00443
	01771/3							
							-•	
			TA	BLE 178 F	RURAL	KEY 2		
		_						
SAMPL		9	~ ~				DETERMINATION	• •
DEPEN		BLE IS NOW N			MUL	TIPLE CORR.	COEFFICIENT	0,6285
	anal	VUIS OF VARI LINEAR	(4467 FUR T) + ERPESTIN	C MULTINE =				
50	UNCE OF VARI			U 4 - 01	115 AN	<u> </u>		
	0			UANES	SOUARES	VALUE	р	
	EGRESSILN	••••		5 3 81 7	0.09221	1.6714		
<u>DEVIATIO</u>	<u>n ahuut rege</u>			<u>•48185</u>	C. 424-39		n.s	•
		TOTAL	23 14	.02002				
ARIABLE	MPAN	\$10.	REG.	STP, PULLOR	CONFUTER		sin of So.	PHOP VAR
<u>_NG.</u>	1.48276	C.78471	C.41251	0+ #26.00F	- T VALUE 2-30214	<u> </u>		<u> </u>
9	4.5708)	<u> </u>	0.00345	C.17-47	J. 4 9224	0,10941	1-49077 5-45622	0.10633
10	4. )2755	1.55818	0.15907	0.09252	1.71.935	0.35185	(1.1374)	7.06.533
	25426.13672		0.00001	0.01000	1.52664	0, 32336	1.37813	0.04830
17	3.37351							
		1.32055	0.04000	0.10720	).37312	3.01314	0.25483	J. 02103
18	574.17236	1537.29199	C.00007	6.00000	).37312 ).15562	0.11662	0.29483	0.02496
19	<u>574.17236</u> 2.27241	1537.29199 0.91963	<u>C.00007</u> 0.15975	0.15E20	)+37312 -+75562 8239	0+03314 0+17662 0+13379	0.29483 0.34995 0.14798	0.02496
	574.17236	1537.29199	C.00007	6.00000	).37312 ).15562	0.11662	0.29483	0.02496
15 20	<u>574.17236</u> 2.27241 2.27536	1537-29199 0-91963 1283023	<u>C.00007</u> 0.15975	0.15E20	)+37312 -+75562 8239	0+03314 0+17662 0+13379	0.29483 0.34995 0.14798	0.02496
15 20	<u>574.17236</u> 2.27241 2.27536	1537-29199 0-91963 1283023	<u>C.0007</u> 0.13775 -C.05158	0.07009 0.15220 0.08173	)+37312 -+75562 8239	0.0314 0.17662 0.17379 -0.74383	0.29483 0.34995 0.14798	0.02496
15 20	<u>574.17236</u> 2.27241 2.27536	1537-29199 0-91963 1283023	<u>C.0007</u> 0.13775 -C.05158	0.1520 0.1520 0.09173	)+37312 -+75562 8239	0+03314 0+17662 0+13379	0.29483 0.34995 0.14798	0.02496
15 20 2	574.17236 2.27241 2.27536 3.83331	1537.29199 0.91913 1.23223 6.70761	<u>C.0007</u> 0.13775 -C.05158	0.1520 0.1520 0.09173	).37312 ).75562 0.38239 -1.12045	3. 0314 0.17662 0.13379 -0.24303 KEY 11	0.29483 7.34995 7.14798 0.57741	0.02496
15 20 2 SAMPL1	574.17.236 2.27241 2.27546 3.03331	1537.29199 0.91913 1.23023 C.70761	C.00007 0.13775 -C.05158 -TAI	0.1520 0.1520 0.09173	).37312 ).7562 0.38239 -1.12045 YEACHERS COEF	3 1314 0. 17665 0. 13379 -0. 74303 KEY 11 FFICIENT OF I	0.29483 0.3495 0.1479 0.57741 DETERMINATION	0. 024 96 0. 01055 0. 03796 0. 4527
15 20 2 SAMPL1	574.17.236 2.27241 2.27546 3.03331 E SIZE 1 DENT VARIAB	1537.29199 0.91913 1.23223 C.70761 9 9 8 12 IS NOW N	C. 60007 0. 13775 -6. 65158 TAI	<u>C.00000</u> C.1570 <u>C.09173</u> SLE 179 T	).37312 ).7562 0.38239 -1.12045 YEACHERS COEF	3 1314 0. 17665 0. 13379 -0. 74303 KEY 11 FFICIENT OF I	0.29483 7.34995 7.14798 0.57741	0.02496
15 20 2 SAMPL1	574.17.236 2.27241 2.27546 3.03331 E SIZE 1 DENT VARIAB	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C.00007 0.13975 -C.09158 TAI	<u>C.00000</u> C.1570 <u>C.09173</u> SLE 179 T	).37312 ).7562 0.38239 -1.12045 YEACHERS COEF	3 1314 0. 17665 0. 13379 -0. 74303 KEY 11 FFICIENT OF I	0.29483 0.3495 0.1479 0.57741 DETERMINATION	0. 024 96 0. 01055 0. 03796 0. 4527
15 20 2 SAMPLI DEPENI	574.17.236 2.27241 2.27546 3.03331 E SIZE 1 DENT VARIAB	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C.00007 0.13975 -C.09158 TAI 0. 4 ANOT FUR THU FEGEESELA	<u>C.00000</u> C.1570 <u>C.09173</u> SLE 179 T	).37312 ).7562 0.38239 -1.12045 YEACHERS COEF	3 1314 0. 17665 0. 13379 -0. 74303 KEY 11 FFICIENT OF I	0.29483 0.3495 0.1479 0.57741 DETERMINATION	0. 024 96 0. 01055 0. 03796 0. 4527
15 20 2 SAMPLI DEPENI	574.17.236 2.27241 2.27536 3.63331 E SIZE 1 DENT VARIAB MAN	9 9 1:33 1:33 1:33 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1:32 1: 1:32 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	C.00007 0.13775 -C.05158 TAI 0. 4 ANGT FUR THU <u>EEGEESSION</u> C.F. SU	C.00000 C.1520 C.09173 BLE 179 T SULTIPLI MULTIPLI	). 37312 ). 7562 0. 382 79 -1.12045 TEACHERS COEF MULT MEAN SQUARES	3 1314 0. 17662 0. 13379 -0. 24333 KEY 11 FFICIENT OF I FIPLE CORR.	0.29483 0.3495 0.1479 0.57741 DETERMINATION	0. 024 96 0. 01055 0. 03796 0. 4527
15 20 2 SAMPLI DEPENI SCI	574.17.236 2.27241 2.27536 3.03331 E SIZE 1 DENT VARIAB MALL URCE (IF VAF 1) EGMES SLATA	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C.00007 0.13775 -0.05158 TAI 0. 4 ANOT FUR TH FEGESSION C.F. SU SUU 8 21.	C. 00000 C. 15720 C. 09173 BLE 179 T MULT 1917 MULT 1917 MULT 1917 MULT 1917	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446	3.0314 0.17662 0.13379 -0.24303 KEY 11 FFICIENT OF E	0.29483 7.34995 7.14799 0.57741 DETERMINATION COEFFICIENT	0. 024 96 0. 01055 0. 03796 0. 4527
IS 20 2 SAMPLI DEPENI SCI	574.17.236 2.27241 2.27536 3.63331 E SIZE 1 DENT VARIAB MAN	99 1537.29199 0.91913 123223 0.70761 0.70761 99 94 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 1551.0 155	C. 00007 0. 13975 -0. 09158 TAI 0. 4 ANST FUR TH <u>EFGESSILA</u> C.F. SU 8 21. 8 21.	C.00000 C.1520 C.02173 BLE 179 T SOLTIPL7 D4 OF D4 OF D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7	). 37312 ). 7562 0. 382 79 -1.12045 TEACHERS COEF MULT MEAN SQUARES	3 1314 0. 17662 0. 13379 -0. 24333 KEY 11 FFICIENT OF I FIPLE CORR.	0. 29483 7. 34995 7. 14798 0. 53741 DETERMINATION COEFFICIENT	0. 024 96 0. 01055 0. 03796 0. 4527
15 20 2 SAMPLI DEPENI SCI	574.17.236 2.27241 2.27536 3.03331 E SIZE 1 DENT VARIAB MALL URCE (IF VAF 1) EGMES SLATA	99 1537.29199 0.91913 123223 C.70761 9 9 9 9 9 9 9 9 9 9 9 9 9	C. 00007 0. 13975 -0. 09158 TAI 0. 4 ANST FUR TH <u>FEGEESSION</u> C.F. SU SQU 8 21. 10 260	C. 00000 C. 15720 C. 09173 BLE 179 T MULT 1917 MULT 1917 MULT 1917 MULT 1917	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446	3 1314 0. 17662 0. 13379 -0. 24333 KEY 11 FFICIENT OF I FIPLE CORR.	0.29483 7.34995 7.14799 0.57741 DETERMINATION COEFFICIENT	0. 024 96 0. 01055 0. 03796 0. 4527
IS 20 2 SAMPLI DEPENI SCI	574.17.236 2.27241 2.27536 3.03331 E SIZE 1 DENT VARIAB MALL URCE (IF VAF 1) EGMES SLATA	99 1537.29199 0.91913 123223 C.70761 9 9 9 9 9 9 9 9 9 9 9 9 9	C. 00007 0. 13975 -0. 09158 TAI 0. 4 ANST FUR TH <u>EFGESSILA</u> C.F. SU 8 21. 8 21.	C.00000 C.1520 C.02173 BLE 179 T SOLTIPL7 D4 OF D4 OF D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7 D4 SOLTIPL7	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446	3 1314 0. 17662 0. 13379 -0. 24333 KEY 11 FFICIENT OF I FIPLE CORR.	0.29483 7.34995 7.14799 0.57741 DETERMINATION COEFFICIENT	0. 024 96 0. 01055 0. 03796 0. 4527
15 20 2 SAMPLI DEPENI SCI SCI	574.17.236 2.27.241 2.27.536 3.63.331 E SIZE 1 DENT VARIAB MARN JRCF. (F. VAF 1) EGMES SLAN ABOUT RUGE	1537.29199 0.91913 1.23223 C.70761 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C.00007 0.13775 -C.05158 TAI 0.4 ANST FOR TH <u>FEGEESSION</u> C.F. St SGU 8 21. 10 26. 19 67.	C. O CODO C. 1 5 E 20 C. 0 P 1 7 3 BLE 179 T SOL 7 1 PL 7 14 (07 14 (07 15 362 7804 7	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446 2.61538	31314 0.17662 0.13379 -0.74333 KEY 11 FFICIENT OF I FIPLE CORR. F VALUI 1.0341	0.29483 7.34995 7.14799 0.57741 DETERMINATION COEFFICIENT P n.s.	0. 024 97. 0. 01055. 0. 03795 0. 4527 0. 6729
15 20 2 SAMPLI DEPENI 500 UE TO PE 501AT100	574.17.236 2.27241 2.27536 3.03331 E SIZE 1 DENT VARIAB MALL URCE (IF VAF 1) EGMES SLATA	1537.29199 0.91913 1.23223 0.70761 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C.00007 0.13775 -C.05158 TAI 0. 4 ANGT FOR TH <u>FEGEESSION</u> C.F. SC 8 211 8 21. 10 26. 19 47.	C. OCODO C. 15720 C. 0 P173 BLE 179 T SULTIPLI MULTIPLI MARTS 63565 15362 78047 STD. FEFUL	). 37312 ). 7562 (). 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446 2.70446 2.61538	C. 1314 0. 17662 0. 13379 -0. 24303 KEY 11 FFICIENT OF I FIPLE CORR. F VALUI 1. 0341 PABT161	0.29483 7.3495 7.1479 0.57741 DETERMINATION COEFFICIENT p n.s. 504 OF 50.	0. 024 97. 0. 01055 0. 03795 0. 4527 0. 6729 PF(IP. VAP.
15 20 2 SAMPLI DEPENI SCI UE TO PE EVIATION	574.17.236 2.27241 2.27546 3.03331 E SIZE 1 DENT VARIAB MARIA JACE (F VARIA GHES SLAN N ABOUT RUGA	1537.29199 0.91913 1233223 0.70761 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C. 00007 0. 13975 -C. 05158 TAI 0. 4 ANST FUR TH <u>EEGESSIDE</u> C.F. SU 8 21. 10 20. 18 57.	C.00000 C.1520 C.07177 BLE 179 T BLE 179 T BLE 179 T BLE 179 T 50LT1PL7 J4 00 J4 00 J4000 J4000 J40000 J4000 J4000 J4000 J4000 J4000	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SCDAFES 2.70446 2.61538 COMPUTED . T VALUE	C. 1314 0. 17662 0. 13375 -0. 24303 KEY 11 FFICIENT OF I FIPLE CORR. VALUE 1. 0341 PABTIAL COSS. CON.	0.29483 7.3495 7.1479 0.57741 DETERMINATION COEFFICIENT p n.s. 503 OF 50. 400ED	0. 024 94. 0. 01055 0. 03795 0. 4527 0. 6729 PK(1P. VAP. CU4.
15 20 2 2 SAMPLI DEPENI SCI UE TO PE 5VIATION ARIABLE NO.	574.17.236 2.27.241 2.27.536 3.63.331 E SIZE 1 DENT VARIAB MARN JRCF. (F. VAF 1) EGMES SLAN ABOUT RUGE	1537.29199 0.91913 1.23223 0.70761 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	C.00007 0.13775 -C.05158 TAI 0. 4 ANGT FOR TH <u>FEGEESSION</u> C.F. SC 8 211 8 21. 10 26. 19 47.	C. OCODO C. 15720 C. 0 P173 BLE 179 T SULTIPLI MULTIPLI MARTS 63565 15362 78047 STD. FEFUL	). 37312 ). 7562 (). 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446 2.70446 2.61538	C. 1314 0. 17662 0. 13379 -0. 24303 KEY 11 FFICIENT OF I FIPLE CORR. F VALUI 1. 0341 PABT161	0.29483 0.34495 0.14799 0.57741 DETERMINATION COEFFICIENT P n.s. 504 OF \$0. 400FD 0.83057	0.02494 0.01055 0.03796 0.4527 0.6729 PF(1P. VAP. CU4. 0.01738
15 20 2 2 DEPENI DEPENI SCI UE TO RE EVIATION ARIABLE NO. 1 2 3	574.17.236 2.27.241 2.27.536 3.63.331 E SIZE 1 DENT VARIAB MARNUT ALIAN OFF (IF VAF 1) EGMES SLAN N ABOUT ALIAN MARDUT ALIAN 1.26.316 5.10.394 3.42153	1537.29199 0.91913 1.23223 0.70761 0.670761 9 9 9 9 9 8 15 IS NOW NO 1213 of VAPT 11112AF ATTON 1551CA 10TAL 51C. 0.65333 1.53243 1.92403	C. 00007 0. 15975 -C. 05158 TAI 0. 4 ANOT FUE TH <u>FEGUESSION</u> C.F. SU SGU 8 21. 10 26. 19 67.	C. 00000 C. 1570 C. 1570 C. 09173 BLE 179 T BLE 179 T BLE 179 T 14 (07 14 (07 14 (07) 14 (07) 15352 78947 STO. SEF(04 01 FSC. COF) C. 74534	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQUARES 2.70446 2.70446 2.61534 COMPUTED . T VALUE 0.21878	C. C. 1314 0. 17662 0. 13379 -0. 24383 KEY 11 FFICIENT OF I FIPLE CORR. F VALUI 1. 0341 PARTIAL CINC., CIN. 0. 06962	0.29483 7.3495 7.1479 0.57741 DETERMINATION COEFFICIENT p n.s. 503 OF 50. 400ED	0. 024 94. 0. 01055 0. 03795 0. 4527 0. 6729 PK(1P. VAP. CU4.
15 20 2 2 3 0 E PENI 5 Cl 5 Cl 5 Cl 5 Cl 5 Cl 5 Cl 5 Cl 5 Cl	574.17.236 2.27.241 2.27.546 3.03.331 E SIZE 1 DENT VARIAB MANDUT ALIAN GRESSLIN ABOUT ALIAN FEAN 1.26.316 5.10.394 3.42.153 2.416.31.253	1537.29199 0.91913 1.23223 C.70761 0.99 9 9 9 9 9 9 9 9 9 9 9 9	C. 60007 0. 13775 -C. 05158 TAI 0. 4 ANTT FLA TH <u>FEGETSSLAR</u> C.F. SC 8 211 B 211 10 26 19 67. 0. 16372 0. 56791 C. 37747 0. 09000	C. OCODO C. 15720 C. 0 P173 C. 0 P173 BLE 179 T SULT 1917 MULT 1917 MULT 1917 MULT 1917 MULT 1917 MULT 1917 MULT 1917 STUT 1917 ST	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQDARES 2.70446 2.70446 2.70446 2.61538 COMPUTED . 7 VALUE 0.21878 1.74395 1.45870 0.12797	Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contr	0.29483 7.34495 7.14799 0.57741 DETERMINATION COEFFICIENT P n.s. 504 OF 50. A00FD 0.83057 1.68342 3.63375 2.40122	0.02494 0.01055 0.03795 0.03795 0.03795 0.6729 0.6729 0.6729 0.01738 0.03737 0.01738 0.037604 0.03523
15 20 2 2 3 0 2 3 0 4 8 10 10 11	574.17.236 2.27.241 2.27.546 3.63.331 E SIZE 1 DENT VARIAB MARINE GRESSINN ABOUT RESE MARINE FEAN 1.26.316 3.42154 3.42154 3.73947	1537.29199 0.91913 1.23223 C.70761 9 9 9 9 9 9 9 9 9 9 9 9 9	C. 60007 0. 13775 -C. 05158 TAI 0. 4 ANGT FOR TH <u>FEGESSION</u> C.F. SU 8 21. 10 26. 19 67. 19 67. 0. 16372 0. 54701 C. 37747 0. 00000 C. 94662	C. 00000 C. 1570 C. 1570 C. 09173 BLE 179 T BLE 179 T 500 T 1917 14 00 14 00 14 00 14 00 57 0. 5879 C. 74534 O. 25677 C. 76534 O. 25677 C. 300 12 O. 4 3633	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQDARES 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.7045 1.7435 1.45870 1.72350	Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contr	0.29483 7.34495 7.14799 0.57741 0.57741 DETERMINATION COEFFICIENT P n.s. 504 OF 50. 400FD 0.83057 1.68342 3.63375 2.40122 9.96220	0.02494 0.01055 0.03795 0.03795 0.6729 0.6729 0.6729 0.01738 0.01738 0.05025 0.20846
15 20 2 SAMPLI DEPENI DEPENI SCU UE TO PE EVIATION ARIABLE NO. 1 2 3 10 2 11 12	574.17.236 2.27.241 2.27.546 3.03.331 E SIZE 1 DENT VARIAB MARIN JRCF. (F VARIAB MARIN EGHES \$1.3N N ABOUT RUGA MARIN EGHES \$1.3N N ABOUT RUGA 3.42154 3.42154 3.73947 672.94727	1537.29199 0.91913 1.23023 C.70761 9 9 9 9 9 9 9 9 9 9 9 9 9	C. 60007 0. 15075 -C. 05158 TAI O. 4 ANST FUR TH <u>FEGUESSION</u> C.F. SU 8 21 10 26 19 67	C. 00009 C. 1570 C. 07173 BLE 179 T BLE 179 T MARTS 6 3565 15352 78947 STU. FREMA -01 FSC. CDE. C. 74534 9.21412 0.43633 C. 00028	). 37312 ). 7562 0. 38279 -1.12045 YEACHERS COEF MULT MEAN SCDAFES 2.70446 2.61534 COMPUTED . 7 VALUE 0.21878 1.74395 1.45870 0.12797 1.72350 7.45431	C. 1314 0. 17662 0. 13379 -0. 24333 KEY 11 FFICIENT OF I FIPLE CORR. F VALUI 1. 0341 PANTJAL CHC5. CW. 0. 06902 0. 46292 C. 41987 0. 64344 0. 47903 0. 14221	0.29483 7.34495 0.14798 0.53741 DETERMINATION COEFFICIENT P n.s. 504 OF 50. ADDED 0.83057 1.68342 3.63375 2.40122 9.96220 0.83750	0.02494 0.01055 0.03796 0.03796 0.6729 0.6729 0.6729 0.01734 0.01734 0.01734 0.03523 0.05025 0.20846 0.01752
15 20 2 2 3 0 2 3 0 4 8 10 10 11	574.17.236 2.27.241 2.27.546 3.03.331 E SIZE 1 DENT VARIAB MARINE GRESSION ABOUT REGRE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE MARINE	1537.29199 0.91913 1.23223 C.70761 9 9 9 9 9 9 9 9 9 9 9 9 9	C. 60007 0. 13775 -C. 05158 TAI 0. 4 ANGT FOR TH <u>FEGESSION</u> C.F. SU 8 21. 10 26. 19 67. 19 67. 0. 16372 0. 54701 C. 37747 0. 00000 C. 94662	C. 00000 C. 1570 C. 1570 C. 09173 BLE 179 T BLE 179 T 500 T 1917 14 00 14 00 14 00 14 00 57 0. 5879 C. 74534 O. 25677 C. 76534 O. 25677 C. 300 12 O. 4 3633	). 37312 ). 7562 0. 382 79 -1.12045 YEACHERS COEF MULT MEAN SQDARES 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.70446 2.7045 1.7435 1.45870 1.72350	Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contraction Contr	0.29483 7.34495 7.14799 0.57741 DETERMINATION COEFFICIENT P n.s. 504 OF 50. 400FD 0.83057 1.68342 3.63375 2.40122 9.96220	0.02494 0.01055 0.03795 0.03795 0.6729 0.6729 0.6729 0.01738 0.01738 0.05025 0.20846

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# TABLE 180 TEACHERS KEY 11

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. 9 ANALYSIS OF VARIANCE FOR THE MULTIFLE

# COEFFICIENT OF DETERMINATION 0.5499 MULTIPLE CORR. COEFFICIENT 0.7415

COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.5789<br/>0.7608

LINEAR	REGFES	SIDN				
SOURCE OF VARIATION	0.F.	SUM OF	MEAN			
<del></del>		SOHARES	SQUAPES	VALUE	р	
DUE TO REGRESSION	8	14.58598	1.82325	1.5270		
DEVIATION ABOUT REGRESSION	10	11.94038	1.19434		n.s.	
TOTAL	18	26.52637				

VARIABLE	MEAN	STO.	PEG.	STD. EPROR	COMPUTED	PAPTIAL	SUM OF SO.	PPOP. VAR.
<u>NU.</u>		DEVIATION	COEFF.	OF REG.COF.	T VALUE	CORR. COF.	ADDED	C 11M .
1	1.20316	0.65338	-0.35805	0.50564	-3.70812	-0.21851	1.01?6?	0.03817
2	5.10894	1.53283	-0.15892	0.21228	-0.74863	-0.23.137	2.26449	0.08539
3	3.42158	1.92403	0.07823	0.17485	0.44742	0.14009	3.61417	0.13625
<u>10</u> 2	3416.31250	28451.16016	0.00002	0.00001	1.75368	0.48498	1.71693	J.06473
11	3.73947	1.08418	-0.39584	0.32860	-1.20463	-0.35598	1.17137	0.04416
_12	672.94727	1475.75464	-0.00016	0.00019	-0.84124	-0.25708	0.57248	0.02158
13	1.96526	1.04725	0.51933	0.28884	1,79797	0.49427	3.68471	0.13891
14	1.94737	2.04052	<u>0</u> .11076	0.16338	0.67792	6.20962	0.54875	0.02069
9	3.34210	1.21395						

# TABLE 181 TEACHERS KEY 11

SAMPLE SIZE 19	
DEPENDENT VARIABLE IS NOW NO. 8	
ANALYSIS OF VARIANCE FOR THE	MULTIPLE
LINEAR PEGRESSION	

LINEAR	MECKE2	SIUN				
SOURCE OF VARIATION	0.E.	SUM OF	MEAN	F		·
		SQUARES	SQUARES	VALUE	p	
DUE TU REGRESSION	8	33.08626	4.13573	1.7101		
DEVIATION ABOUT REGRESSIOK	_10	24.07164	2.40716		n.s.	
TOTAL	10	57.15790				

VARIABLE	MFAN	STD. DEVIATION	REG. CGEFF.	STD.ERROR	COMPUTED T VALUE	PARTIAL CORR. COF.	SUM OF SQ. ADDED	FRUP. VAP. CUM.
1	1.26316	0.65338	1.64233	0.71793	2.28758	0.58612	10.41916	0.18227
2	5.10894	1.53283	0.05858	0.30141	0.19435	0.06134	0.37059	0.00648
3	3.42158	1.92403	0.08198	0.24826	0.33024	0.10367	0.41799	0.00731
10	23416.31250	28451.16016	0.00002	0.0002	0.86509	0.26337	13.10217	0.22923
-11 -	3.78947	1.08418	0.44470	0.46657	0.95314	0.28859	0.94962	0.01661
1.2	672.94727	1475.7 <u>5464</u>	0.00022	0.00027	0.82526	0.25280	0.80760	0.01413
13	1.96526	1.04725	-0.54195	0.41011	-1.32146	-0.38557	3.73951	0.06542
<u>    14     </u>	1.94737	2.04052	-0.27082	0.23198	-1.16744	-0.34633	3.28077	0.05740
8	2.21053	1.78198						

## TABLE 182 TEACHERS KEY 11

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW ANALYSIS OF VAR		COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT			0.4723 0.6872	
LINFAR	REGRES	5 1131				
SUURCE OF VARIATION	C.F.	SUM OF	MEAN	F		
		SQUARES	SQUARE S	VALUE	р	
DUE TU REGRESSION	8	25.57585	3.6974	8 1.1137		
DEVIATION ABOUT REGRESSION	10	33.05174	3.3051	7	n.s.	
TQT4L	18	62.63159	-			

VARIABLE	MEAN	STD.	REG.	STD.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PPOP. VAR.
<u>_NO .</u>		DEVIATION	COEFF.	OF PEG.COE.	T VALUE	COPR. CUP.	ANDED	CUM.
1 '	1.26316	0.65338	1.26054	0.84125	1.49841	0.42820	6.56994	0.10490
22	5.10894	1.53283	0.05499	0.35319	0.15570	0.04919	0.05604	0.00089
3	3.42158		0.10706	0.29090	0.36804	0.11561	0.44803	0.00715
	23416.31250	28451.16016	0.0002	0.0002	0.91128	0.27051	15.28256	0.24401
11	3.78947	1.08418	0.54426	0.54671	0.99552	0.30023	1.83154	0.02924
	<u>672.94727</u>	1475.75464	0.0009	0.00032	0.28562	0. 08995	0.02220	0.00035
13	1.96526	1.04725	-0.44770	0.45056	-0.93163	-0.23260	2.51060	0.04009
<u>    14                                </u>	<u> </u>	2.04052	-0.25282	0.27183	-0.93007	-0.29216	2.85907	0.04565
7	2.57395	1.86535						

# TABLE 183 TEACHERS KEY 11

SAMPLE SIZE	19
DEPENDENT VARI	ABLE IS NOW NO. 6
AI	VALYSIS OF VARIANCE FOR THE MULTIPLE
	LINEAR REGRESSION

# COEFFICIENT OF DETERMINATION0.4925MULTIPLE CORR. COEFFICIENT0.7018

LINEAR	REGRES	S ION				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	F		
		SQUARES	SOUARES	VALUE	P	
OUE TO REGRESSION	8	25.81952	3.22744	1.2133		
DEVIATION ABOUT REGRESSION	_10	26.60155	2.66015		n.s.	
TCT 4L	18	52.42107				

VARJABLE	PEAN	STD. DEVIATION	REG. COEFF.	STD.FRRMR OF REG.COE.	COMPUIED T VALUE	PARTIAL CORR. COF.	SUM OF SO.	PROP. VAR.
1 2	1.26316	0.65338	0.76098	0.75472	1.00030	0.30379	6.09230	0.11622
3 10	3.42158	1.92403 28431.16016	0.32427 0.0000l	C.26098	1.24253	0.36571	10.44312	J.19922 0.02889
11 12	3.78947 67 <u>7.9</u> 4727	1.08418	-0.16857 -0.00004	C.49047 C.00029	-0.34369	-0.10805 -0.04443	0.35867	0.00684
13 14	1.96526	1.04725 2.04052	0.24692	0.43113	0.57272	0.17821	0.90764	0.01731
6	3.63158	1.70654						

# TABLE 184 TEACHERS KEY 11

SAMPLE SIZE	19			
DEPENDENT VAL	MABLE IS	NOW NO.	5	
		DE VARIANO		MULTIPLE

COEFFICIENT OF DETERMINATION	0.6359
MULTIPLE CORR. COEFFICIENT	0.7974

.

	<u> </u>	SIUN				
SOURCE OF VARIATION	D.F.	SUM OF	MEAN	F		
	_	SQUARES	SQUARES	VALUE	р	
OUE TO REGRESSION	8	41.30023	5.16253	2.1832		
DEVIATION ABOUT REGRESSION	10	23.64714	2.36471		n.s.	
TOTAL	18	64.94737				

VAR LABLE	MEAN	STD.	REG.	STD.ERPOR	COMPUTED	PARTIAL	SUM DE SO.	PROP. VAR.
<u>NO.</u>		DEVIATION	COFFF.	OF REG.COE.	T VALUE	COFF. COF.	ADDED	CUM.
1	1.26316	0.65338	-0.00737	0.71157	-0.01035	-0.00327	3.60491	0.05551
2	<u> </u>	1.53283	0.37035	0.29874	1.23970	0.36498	0.56127	0.00864
3	3.42158		C.51061	0.24606	2.07513	0.54864	18.07994	0.27838
		28451.16016	<u>0.00</u> 003	<u>0.00002</u>	<u>1.39474</u>	0.40117	8.66099	0.13335
11	3.73947	1.08418	0.56858	0.46244	1.22754	0.36239	6.14238	0.09457
12	672.94727	1475.75464	0.00005	0.00027	0.18726	0.05911	0.48486	3.00747
13	1.96526	1.04725	0.19215	0.43648	0.47272	0.14784	0.3664?	0.00564
<u>    14                                </u>	<u> </u>	2.04052	0.27568	0.22992	1.19901	0.35453	3.39955	0.05234
5	2.94737	1.89952						

# TABLE 185 TEACHERS KEY 10

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. ANALYSIS OF VAFIA UNEAP SI		М	COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT		
SOURCE OF VARIATION D	F. SUM SQUAR		F	р	
DUE TO REGRESSION		131 1.63313	1.3846	n.s.	

VARIABLE	PEAN	STU.	PEG.	STD. ERKOR	COMPUTED	PARTIAL	SUM DE SQ.	PROP. VAP.
<u>NÜ.</u>		DEVIATION	COEFF.	OF REG.COE.	T VALUE	COPR. COE.	ADDED	CUM.
1	1.20316	0.65338	-0.15584	0.59134	-0.20354	-0.03305	0.09229	0.00268
<u>2</u>	<u> </u>	1.53283	0.16266	0.24827	0.05520	0.20288	2.66996	0.07757
3	3.42158	1.92403	-0.07956	0.20448	-0.38906	-0.12211	2.30634	0.06700
	23416-31250	<u>28451.16016</u>	0.00001	0.00002	0.45352	0.14350	2.68551	0.07802
. 13	3.78947	1.08418	0.63674	0.38430	1.65687	0.46411	5.57275	0.16190
14	<u> </u>	1475.75464	-0.00005	0.00022	-0.22181	-0.06997	0.04483	0.00130
15	1.96526	1.04725	0.57369	0.33780	1.69830	0.47314	4.66381	0.13549
16	<u> </u>	2.04052	0.03487	0.19108	0.18248	0.05761	0.05438	0.00158
	3.63158	1.38285						

#### TABLE 186 TEACHERS **KEY 10**

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. 10 COEFFICIENT OF DETERMINATION 0.3154 MULTIPLE CORR. COEFFICIENT 0.5616

	۸۸۸۲		ANCE FOR THE REGRESSION	MULTIPLE				0.5616
500	RCE OF VART		D.F. SU	וט אַנ	MEAN	+		
					SQUARES	VALUF	<u>p</u>	
	GRESSION			.87747	2.85963	0.5760		
DEVIALION	ABOUT REGR			64865	4 • 96488		n.s	
			10 , 14	52632	<u> </u>			
ARIABLE								
	MEAN	STD. DEVIATION	REG. COEFF.	STD.ERFOR UF REG.COE	. T VALUE	CUFF. COF.		
<u>NO.</u>	1.26316	0.65338	1.15080	1.03106	1.11613	0.33283	6.76606	5.09329
2	5.10894	1.53283	-0.45097	0.43288	-1.04179	-0.31290	10.97142	0.15127
<u> </u>	3.42158	1.92403	0.00874	0.35654	0.02451	0.00775	0.45802	0.00632
12 2		28451.16016	-0.00001	0.00003	-0.30753	-0.09679	0.54313	0.00749
13	3.78947	1.08418	0.39188	0.07006	0.58484	0.18186	1.05628	0.01456
14	672.94727	1475.75464	0.00025	0.00039	0.64287	0.19922	1.41685	0.01954
15	1.96526	1.04725	-0.08048	0.58899	-0.13664	-0.04317	0.04846	0.00067
15	1.94737	2.04052	-0.19015	0.33316	-0.57077	-0.17762	1.61/42	0.02230
10	3.15789	2.00730						
SAMPLE		19					ETERMINATION	
DEPEND	ENT VARIA	BLE IS NOW N YSIS OF VARI	ANCE FUR THE REGRESSION D.F. SU	UM OF	MUL	FIPLE CORR. C	OEFFICIENT	0.2862 0.5350
DEPEND SOU	DENT VARIA	BLE IS NOW N YSIS OF VARI LINEAR	ANCE FUR THU REGRESSIGN D.F. SU SQU	UM OF	MUL	TIPLE CORR. C		
DEPEND SOU	DENT VARIA	BLE IS NOW N YSIS OF VARI LINEAR	ANCE FUR THE REGRESSION D.F. SU SQL 8 23	UM OF UARES	MUL' MEAN SQUARES	FIPLE CORR. C	OEFFICIENT	
DEPEND SOU	DENT VARIA ANAL	BLE IS NOW N YSIS OF VARI LINEAR	ANCE FUR TH REGRESSIGN C.F. SU 8 23 10 57	UM OF UARES •04747	MUL' SQUARES 2.88093	FIPLE CORR. C	OEFFICIENT	
	DENT VARIA ANAL	BLE IS NOW N YSIS OF VAKI LINEAR IATION RESSICN TOTAL	ANCE FUR THE REGRESSIGN C.F. SI 8 23 10 57 18 80 REG.	UM OF UARES .04747 .47685 .52632 STD.ERRUR	MUL' MEAN SQUARES 2.88093 5.74788 COMPUTED	PARTIAL	p n.s. SUK DF SQ.	0. 5350
DEPEND SOU UE TO RE EVIATION ARIABLE ND.	DENT VARIA ANAL RCE CF VAR GRESSION ABOUT REG MEAN	BLE IS NOW N YSIS OF VAKI LINEAR IATION RESSICN TOTAL STC. DEVIATION	ANCE FUR TH REGRESSIGN C.F. SI SCI 8 23 10 57 18 80 REG. COEFF.	UM OF UARES .04747 .47685 .52632 STD.ERRUR OF RFG.COE	MUL' SQUARES 2.88093 5.74788 COMPUTED . T VALUE	PARTIAL COPR. CUF.	OEFFICIENT 	0. 5350
DEPEND SOU UE TO RE EVIATION ARIABLE ND. 1	DENT VARIA ANAL GRESSIDN ABOUT REG MEAN 1.26316	BLE IS NOW N .YSIS OF VAKI LINEAR IATION RESSICN TDTAL STC. <u>REVIATION</u> 0.65338	ANCE FUR TH REGRESSIGN C.F. SI 8 23 10 57 18 80 REG. 0.26192	UM OF JARES .04747 .47885 .52632 STD.ERRUR OF RFG.COE 1.10939	MUL' SQUARES 2.88093 5.74788 COMPUTED T VALUE 0.23609	F         VALUF           0.5012           PARTIAL           COF*. COF.           0.07445	OEFFICIENT 	0. 5350
DEPEND SOU UE TO RE EVIATION ARIABLE ND. 1 2	DENT VARIA ANAL GRESSIJN ABOUT REG MEAN 1.26316 5.10894	BLE IS NOW N .YSIS OF VAKI LINEAR TATION RESSICN TDTAL STC. DEVIATION 0.65338 1.53283	ANCE FUR TH REGRESSIGN C.F. SI 8 23 10 57 18 80 REG. A COEFF. 0.26192 0.15896	UM OF UARES .04747 .47685 .52632 STD.ERRUR OF RFG.COE 1.10939 0.46576	MUL' <u>SQUARES</u> 2.88093 5.74788 <u>COMPUTED</u> T VALUE 0.23609 0.34129	F         VALUF           0.5012           PARTIAL           COPR. COF.           0.07445           0.10730	P n.s. SUK DF SQ. ADDED 0.00577 5.02977	D. 5350
DEPEND SOU UE TO RE EVIATION ARIABLE ND. 1 2 3	DENT VARIA ANAL IRCE CF VARI GRESSION ABOUT REG MEAN 1.26316 5.10894 3.42158	BLE IS NOW N .YSIS OF VAKI LINEAR IATION RESSICN TOTAL STC. DEVIATION 0.65338 1.53283 1.92403	ANCE FUR TH REGRESSIGN C.F. SI 8 23 10 57 18 80 REG. COEFF. 0.26192 0.15896 C.50081	UM OF UARES .04747 .47685 .52632 STD.ERRUR OF RFG.COE 1.10939 0.46576 0.38362	MUL' <u>SQUARES</u> 2.88093 5.74788 <u>COMPUTEL</u> . T VALUE 0.23609 0.34129 1.30547	F         VALUF           0.5012           PARTIAL           COPK. COF.           0.07445           0.10730           0.38159	P n.s. SUK DF SQ. ADED 0.00577 5.02977 11.53030	D. 5350
DEPEND SOU UE TO RE EVIATION ARIABLE NO. 1 2 3 12 2	DENT VARIA ANAL IRCE CF VARI GRESSION ABOUT REG MEAN 1.26316 5.10894 3.42158 23416.31250	BLE IS NOW N .YSIS OF VAKI LINEAR IATION RESSICN TOTAL STC. DEVIATION 0.65338 1.53283 1.92403 28451.16016	ANCE FUR TH REGRESSIGN C.F. SI SCI 8 233 10 57 18 80 REG. COEFF. 0.26192 0.15896 C.50081 0.00000	UM OF UARES .04747 .47685 .52632 STD.ERRUR OF RFG.COE 1.1C939 0.46576 0.38362 0.00003	MUL' MEAN SQUARES 2.88093 5.74788 COMPUTEL . T VALUE 0.23609 0.34129 1.30547 0.08392	PARTIAL COPR. COF. 0.5012 0.5012 0.0745 0.10730 0.38159 0.02842	р n.s. SUK DF SQ. Angen 0.00577 5.02977 11.53030 0.74869	D. 5350
DEPEND SOU UE TO RE EVIATION ARIABLE ND. 1 2 3 12 2 13	DENT VARIA ANAL IRCE CF VAR GRESSION ABOUT REG MEAN 1.26316 5.10894 3.42158 23416.31250 3.78947	BLE IS NOW N .YSIS OF VAKI LINEAR IATION RESSICN TOTAL STC. DEVIATION 0.65338 1.53283 1.92403 28451.16016 1.08418	ANCE FUR TH REGRESSIGN C.F. SI SCI 8 23 10 57 18 80 REG. COEFF. 0.26192 0.15896 C.50081 0.00000 0.24084	UM OF UARES .04747 .47685 .52632 STD.ERRUR OF RFG.COE 1.1C939 0.46576 0.36362 0.00003 0.72097	MUL' SQUARES 2.68093 5.74788 COMPUTEL . T VALUE 0.23609 0.34129 1.30547 0.08392 0.33406	PARTIAL COPR. CUF. 0.5012 0.5012 0.5012 0.07445 0.10730 0.38155 0.02842 0.10505	OEFFICIENT 	PR(IP. VAF C UM. 0.00000 0.06246 0.14314 0.00930 0.60192
DEPEND SOU UE TO RE SEVIATION VARIABLE ND. 1 2 3 12 2	DENT VARIA ANAL IRCE CF VARI GRESSION ABOUT REG MEAN 1.26316 5.10894 3.42158 23416.31250	BLE IS NOW N .YSIS OF VAKI LINEAR IATION RESSICN TOTAL STC. DEVIATION 0.65338 1.53283 1.92403 28451.16016 1.08418	ANCE FUR TH REGRESSIGN C.F. SI SCI 8 233 10 57 18 80 REG. COEFF. 0.26192 0.15896 C.50081 0.00000	UM OF UARES .04747 .47685 .52632 STD.ERRUR OF RFG.COE 1.1C939 0.46576 0.38362 0.00003	MUL' MEAN SQUARES 2.88093 5.74788 COMPUTEL . T VALUE 0.23609 0.34129 1.30547 0.08392	PARTIAL COPR. COF. 0.5012 0.5012 0.0745 0.10730 0.38159 0.02842	р n.s. SUK DF SQ. Angen 0.00577 5.02977 11.53030 0.74869	D. 5350

TABLE 188 TEACHERS

KEY IO

COEFFICIENT OF DETERMINATION 0.5120

MULTIPLE CORR. COEFFICIENT 0.7156

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. 8 ANALYSIS OF VARIANCE FOR THE MULTIPLE LINEAR REGRESSION

2.11511

3.15789

9

SOURCE OF VARIATION	6.8.	SUM OF	MEAN	F VALUE	p	
DUE TO REGRESSICN	8	50.44571	£.30521	1.3117		, <del>, , , , , , , , , , , , , , , , </del>
DEVIATION ABOUT REGRESSION	10	48.07661	4.80766		n.s.	
ŤĎŤ AL •••	18	98.52632				

VARIABLE	E MEAN	Sîb.	PEG.	STD.FPPOR	COMPUTED	PARTIAL	SUM OF 50.	PEOP. VAF.
ND.		DEVIATION	COEFF.	DF PFG.COE.	<b>▼ VALUE</b>	CORF. COR.	ANDED	CUM.
1	1.26316	0.65338	0.17223	1.01460	0.16975	0.05360	2.98572	0.03030
2	5.10894	1.53283	0.41140	0.42597	0.96580	0.29210	6.37238	0.06468
3	3.42158	1.92403	-0.15394	0.35385	-0.43876	-0.13743	6.08653	0.06178
12	23416.31250	28451.16016	C. 00005	0.00003	1.74926	0.48404	15.04002	0.15265
13	3.78947	1.08418	-0.66707	0.65937	-1.31499	-0.38396	6.28825	0.06382
14	672.94727	1475.75464	0.00052	0.00038	1.34096	0.39040	11.09663	0.11263
15	1.90526	1.04725	0.19106	0.57958	0.32965	0.10363	0.39128	0.00397
16	1.94737	2.04052	0.22125	0.32794	0.67486	0.20871	2.18957	0.02222
8	2.84210	2.33959						

			•	TABLE	189	TEACHERS	KEY 10		
	ENT VARIAL	19 BLE IS NOW NO LYSIS OF VARI LINEAR	D. 7 ANCE FUR REGRESSI	THE MU	LTIPLE	COEF Mult	FICIENT OF D	ETERMINATION OEFFICIENT	0.3873 0.6224
	GRESSION		C.F.	SUM DI	S	HEAN SQUAPES	F	р	
DEVIATION			8 10 18	58.345 92.286 150.631	54	7.29313 9.22865	0.7903	n, s.	
VARIABLE NO.	MEAN	STO. DEVIATION	R E G		).FRROR RFG.CO		PAPTIAL COPP. COF.	SUP OF SO.	PR:10. VA
	1.26316 <u>5.10894</u> 3.42158	0.65338 <u>1.53283</u> 1.92403	1.333 -0.226 -0.272	20 C.	40572 59017 48609	0.95238	0.28838	0.00144	0.0000
13	3416.31250	28451.16016 1.08418	0.000	00 0. 75 C.	00004 91355	-0.56065 0.04519 -0.91374	-0.17457 0.01429 -0.27760	0.17127 2.24992 16.4+318	0.0011
14 15 16	672.94727 1.96526 1.94737	<u>1475.75464</u> <u>1.04725</u> <u>2.04052</u>	0.000 -1.033 -0.594	63 0.	. <u>C0053</u> 80301 45422	<u>1.00136</u> -1.20740 -1.30779	0.30138 -0.37700 -0.38217	4.90271 13.35415 15.78392	0.0325
7	3.57895	2.89282			-				

#### TABLE 190 TEACHERS

**KEY 10** 

SAMPLE SIZE	19	
DEPENDENT VARI	ABLE IS NOW NO. 6	
AN	VALYSIS OF VARIANCE FOR	THE MULTIPLE
	LINEAP REGRESSIU	

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COEFFICIENT OF DETERMINATION	0.5278
MULTIPLE CORR. COEFFICIENT	0.7265

PRIP. VAR.

CIIM. 0.00001 0.03611 0.00114 0.01494 0.10916 0.03255

0.08865

		<u>- 10/1</u>				
SOURCE OF VARIATION	C.F.	SUM OF	MEAN	F		
		SQUARES	SQUARES	VALUE	р	
DUE TO REGRESSION	8	41.44495	5.18062	1.3971		
DEVIATION ABOUT REGRESSION	10	37.08142	3.70814		n.s.	
TOTAL	18	76.52637				

VARIABLE	MEAN	STC.	REG.	STD.FR.ROR	COMPUTED	PARTIAL	SUM DE SQ.	PROP. VAP.
<u>_NO.</u>		DEVIATION	CUEFF.	UF REG.COE.	T VALUE	COFR. COE.	ADUED	CUM.
1	1.26316		-0.28862	0.89106	-0.32390	-0.10190	0.63590	0.00810
<u> </u>	5.10894	1.53283	0.75470	0.37410	2.01737	0.53783	12.84990	0.16364
5	3.42158	1.92403	0.47246	0.30813	1.53334	0.43630	11.79315	0.15018
<u>12</u> 13		28451.16016	0.00001	0.00002	0.23787	0.07564	1.85935	0.02368
	3.78947	1.08418	0.14368	0.57908	0.24811	0.07822	0.10901	0.00139
15	672.94727	1475.75464	-0.00009	0.00034	-0.25288	-0. C7971	0.52845	0.00673
	1.96526	1.04725	0.89171	0.50901	1.75135	0.48457	12.01897	0.15306
<u>16</u>	1.94737	2.04052	-0.19208	0.28792	-0.66712	-0.20642	1.65034	0.02102
0	3.94210	2.08868						

#### TABLE 191 TEACHERS **KEY 10**

COEFFICIENT OF DETERMINATION 0. 3529

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS OF VARIANCE FOR THE MULTIP

	MULTIPLE	CORR.	COEFFICIENT	0. 5941
PLF				

SOURCE OF VARIATION	<b>R</b> .F.	SUM OF	MEAN	r		
		SQUARES	SQUARES	VALUE	p	
DUE TO REGRESSION DEVIATION ABOUT REGRESSION	8 10	37.668C1 69.06883	4.70550	0.6817	n.s.	
TOTAL	18	106.73685				

1.21610 0.51056 0.42052	-0.32595 0.73874 0.65799	<u>C()KR. COF.</u> -0.10253 <u>0.22751</u> 0.20371	ADDED 7.06558 13.22742	0.06620 0.12393
0.42052	0.65799			
0.00003	-0.29822	-0.09389	6.01620	0.05636 0.00154
0.79032	-0.54304 0.21967	-0.16925	4.12711	0.03867
0.69469	0.38493	0.12083	1.37639	0.01290
	0.69469	0.69469 0.3843	0.65469 0.38493 0.12083	0.65469 0.38433 0.12083 1.37639

#### TABLE 192 TEACHERS **KEY 10**

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. 4 ANALYSIS OF VARIANCE FUR THE SULTIPLE

. . .

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.3392<br/>0.5824

.

LINEAR	REGRES	STON		,		
SOURCE OF VARIATIEN	D.F.	SOM OF	MEAN	4		
		SQUARES	SQUAPES	VALUE	P	
OUE TO REGRESSION	8	13, 49564	1.68095	0.6416		
DEVIATION ABOUT REGRESSION	10	26.29390	2.62939		n.s.	
TUTAL	18	35.78955				

VARTABLE ND.	PEAN	STD. DEVIATION	REG. COEFF.	STD.FFEOR OF REG.COE.	COMPUTED T VALUE	PARTIAL CORP. COE.	SUM OF SQ. ANDER	PRJP. VAF. CUN.
1	1.26316	0.65330	-0.77633	0.75034	-1. 33464	-0.31096	0.02920	7.00073
2	5.10894	1.53283	0.02535	0.31502	<b>J.</b> J8048	0.02544	0.01036	0.00026
3	3.42153	1.92403	-0.06767	0.25946	-0.26030	-0.03219	1.45116	0.03647
12	23416.31250	28451.16016	0.00003	C.00002	1.539)2	0.44900	1.27474	0.03204
13	3.78947	1.08418	-0.60551	0.48763	-1.241?4	<b>-0.</b> 36551	2.67168	0.06715
14	672.94727	1475.75464	-0.00036	0.0023	-1.26979	-0.37262	3.09625	0.07782
15	1.96526	1.04725	0.45635	0.42863	1.06458	0.31903	2.65273	0.06667
16	1.94737	2.04052	0.22723	<u>0.24245</u>	0.93721	0.28415	2.30955	0.05804
- 4	4.10526	1.48678						

#### TABLE 193 TEACHERS KEY 9

SAMPLE SIZE	19	•		
DEPENDENT VAF	NABLE	IS NOW NO.	11	
Δ	NALY ST S	S OF VARIANC	E FOR THE	MULTIPLE

COEFFICIENT OF DETERMINATION	0.3904
MULTIPLE CORR. COEFFICIENT	0.6248

LINEAR	PEGPES	\$10N				
SOURCE OF VARIATION	C.F.	SUM OF	MEAN	F		
		SQUARES	SQUAPES	VALUE	р	
DUE TO REGRESSION	8	20.67261	2.58408	0.8006		
DEVIATION ABOUT REGRESSION	10	32.27490	3.22749		n.s.	
TOTAL	18	52.94751				

VARIABLE	MEAN	STD. DEVIATION	HEG. CUEFF.	STD.CRROP OF REG.COE.	COMPUTED T VALUE	PARTIAL COPF. CUF.	SUN OF SQ. ADDED	CUM.
1	1.26316	0.65338	-0.56482	0.63131	-1)+67944	-0.21006	0.07066	0.00133
9	5.13894	1.53283	0.17714	0.34901	0.50755	ú.15847	0.19965	0.00377
10	3.42158	1.92403	-0.00874	0.28746	-0.03041	-0.00962	1.54142	0.02911
12	23416.31250	28451.16016	0.00002	0.00002	1.14450	0.34032	3.37938	0.06383
13	3.73947	1.08418	-0.38792	0.54025	-0.71785	-0.22137	1.09729	02072
14	672.94727	1475.75464	-0.00010	0.00031	-0.30132	-0.09501	0.18068	<b>j</b> .00341
15	1.96526	1.04725	0.99566	0.47438	2.09666	0.5526.7	14.06252	0.26559
16	1.94737	2.04052	0.05616	0.26861	0.20907	0.06597	0.14107	0.00266
11	4.05263	1.71509						

TABLE 194 TEACHERS KEY 9

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW	NO. 8			COEFFICIENT OF DETERMINATION MULTIPLE CORR. COEFFICIENT			
ANALYSIS UF VA	• • •	UR THE MULTIPLE					
SOURCE OF VARIATION	0.F.	SUM HE SQUARES	MEAN SQUARES	F	p		
DUE TO REGRESSION DEVIATION ABOUT REGRESSION	8 10	73.96446 36.66713	9.24556 3.06671	2.5215	n.s.		
TOTAL	-18	110.63159					

VARIABLE	MEAN	\$TD.	xEG.	STD.ERADR	COMPUTED	PARTIAL	SUM OF SO.	PROP. VAP.
ND.		DEVIATION	CUEFF.	OF PEG.COE.	TVALUE	CURF. COF.	ACD FO	CUM.
1	1.26316	0.65338	-0.24706	0.63607	-0.27383	-0.03733	8.11103	0.07332
9	5.10894	1.53?83	0.51589	0.37200	1.33678	0.43162	0.02413	9.00022
10	3.42158	1.92403	0.13604	0.30640	0.44373	0.13904	8.43820	0.07627
12	23416.31250	28451.16016	0.00006	0.0002	2.51206	0.02201	3.1-13696	0.27241
13	3.78947	1.08418	0.43300	0.57584	0.75195	0.23134	6.80830	1.06154
14	672.94727	1475.75464	0.00017	0.00034	0.51271	0.16005	3.47840	0.03144
15	1.96526	1.04725	0.36902	0.50616	J.72708	6.22408	1.27839	0.01156
16	1.94737	2.04052	0.59224	0.28631	2.00353	0.54741	15.63122	0.14181
8	2.42105	2.47915						

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#### TABLE 195 TEACHERS KEY 9

SAMPLE SIZE	19	
DEPENDENT VAR	IABLE IS NOW NO. 7	
1A	NALYSIS OF VARIANCE FOR THE MULTIPLE	
	1 INFAR REGRESSION	

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## COEFFICIENT OF DETERMINATION 0.7743 MULTIPLE CORR. COEFFICIENT 0.8800

LINEAR	REGRES	SION		· .		
SDURCE OF VARIATION	D.F.	SUM UF	MEAN	F		
		SCUARES	SQUAFES	VALUE	<b>P</b>	
DUE TU REGRESSION	8	56.91243	12.11405	4.2856		
DEVIATION ABOUT REGRESSION	_10	28.24547	2.82455		<,05	
TOTAL	18	125.15790				

VARIABLF	MEAN	STD.	KEG.	STD. EF YOR	COMPUTED	PARTIAL	SUM OF SQ.	PP TP. VAR
<u>NU •</u>		DEVIATION	COEFF.	OF REG.COF.	T VALUE	<u>CORR.</u> COL.	ADDEO	Г ИМ .
1	1.26316	C.65338	-2.67282	0.77769	-3.43689	-0.73590	4.76747	0.03809
9	5.10894	1.53283	C. 37273	0.32650	1.14160	0.33355	6.45638	J.05159
10	3.42153	1.92403	0.04298	0.26892	0.15984	0.05049	30.10914	0.24055
12	23416.31250	28451.16016	C.00007	0.00002	3.73517	0.76321	10.12546	0.08090
13	3.78947	1.08413	-1.31325	C.50540	-2.59844	-0.63487	8.53340	0.06818
14	672.94727	1475.75464	-0.00011	0.00029	-0.33673	-0.12139	0.39547	0.00316
15	1.96526	1.04725	0.21627	0.44425	0.48632	0.15215	0.17394	0.00139
16	1.94737	2.04052	0.90149	0.25129	3.53751	0.75017	36.35239	0.29045
7	3.21053	2.63690			-			

TABLE 196 TEACHERS KEY 9

COEFFICIENT OF DETERMINATION<br/>MULTI PLE CORR. COEFFICIENT0.7416<br/>0.8612

ρ < ,05 **†**5

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW 1 AMALY 51 5 CF VAR LINEAE	UR THE MULTIPLE STON		EFFICIENT O	-	
SOURCE DE VARIATION	D.F.	SUM OF	MEAN	E VA10E	
DUE TO REGRESSION	9	85.06506	10.73363	3.5874	
DEVIATION ABOUT REGRESSIEN	10	29.92041	2.99204		
TOTAL	18	115.78947			

VARIABLE	MEAN	STD.	RÉG.	STO.ERROR	COMPUTED	PARTIAL	SUM OF SQ.	PPHP. VAR.
<u>ND.</u>		DEVIATION	COEFF.	OF REG.COE.	T VALUE	COFF. COF.	ADDED	С. ИМ 🖡
1	1.26316	0.65338	-2.82950	C.80041	-3.53505	-0.74531	3.97439	0.03432
9	5.10894	1.53283	-0.46004	0.33604	-1.369)1	-0.37729	21.37114	<u> </u>
10	3.42158	1.92403	-0.03162	0.27678	-0.11424	-0.03510	5.51911	0.04767
12	23416.31250	28451-16D16	<u>C. 00006</u>	0.00002	2.73848	0.65464	7.04056	0.06080
13	3.78947	1.08418	-0.11200	0.52017	-D.21531	-0.06793	1.78991	0.01546
14	_ 672.94727	1475.75464	-0.00015	0.00030	-0.49414	-0.15439	0.31031	0.00268
15	1.96526	1.04725	-0.05606	0.45723	-0.12261	-0.03874	0.43954	0.00380
16	1.94737	2.04052	1.(0772	0.25863	3.39637	0.77646	45.42430	0.39230
6	3.10526	2.53629						

TABLE 197 TEACHERS

KEY 9

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW ANALYSIS OF VAR LINEAS		FOR THE MULTEPER		0.7041 0.8391		
SDURCE OF VARIATION	0.F.	SUM OF SQUARES	MEAN SQUARES	F VALUE	р	
DUE TU REGRESSICN	8	59.21829	7.4022	2.9743		
DEVIATION ABOUT REGRESSION	10	24.88718	2.4887	<u>,                                     </u>	<u>n.s.</u>	
T07AL • • •	18	84.10547				

VARIABLE	MEAN	STD. DEVIATION	FEG. COEFF.	STO.ERROR DF REG.CDE.	COMPUTED T VALUE	PAPTIAL CORR. COC.	504 OF 50. 100E0	PROP. VAR. CUM.
1	1.26316	C.65338	-0.37887	0.72999	-0.51900	-0.16195 -C.39076	4.05047	0.04816
10	3.42150	1.92403	0.52215	0.25243	2.06150	0.54741	16.85493	0.20040
13	3.78947	1.08418	0.63070	0.47441	1.43485	0.41320	9.35429	0.11122
15	1.96526	1.04725	-0.47547	0.41700	-1.14020	-0.33919 0.53933	4 • 06536 1 C • 20823	0.04834
5	4.68421	2.16160						

# TABLE 198 TEACHERS KEY 9

SAMPLE SIZE 19 DEPENDENT VARIABLE IS NOW NO. 4 ANALYSIS OF VARIANCE FOR THE MULTIPLE

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## COEFFICIENT OF DETERMINATION 0.7807 MULTIPLE CORR. COEFFICIENT 0.8836

ANALYSIS OF VAL		SION	F			
SOURCE OF VARIATION	D.F.	SUM OF SQUARES	NEAN SQUARES	F VALUE	p	
OUE TO REGRESSION	3	119.97578 33.70844	14.99697 3.37084	4.4490	< 05	
TGTAL	18	153.68422				

VARIAHLE NO.	MEAN	STC. DEVIATION	REG. COEFF.	STD.FRPOR OF REG.COE.	COMPUTED T VALUE	PARTIAL COPR. COE.	SUM OF SQ. ANDEO	<u>ча</u> у. <u>ча</u> р. <u>vap</u> . Сим.
1	1.20316	0.65330	-2+83775	0.84957 0.35668	-3.34J22 1.42730	-0.72619 0.41139	. 5.19104 0.61535	0.03378
10 12	3.42158	1.92403 23451.16016	0.07850	0.29373 0.00002	0.26721 3.43601	0.08423 0.73581	15.43426 24.62555	0.10043 0.16023
13	3.78947 672.94727	1.C8418 1475.75464	0.10577	0.55212	0.19157 0.32384	0.06.)47 0.10138	5.71445 5.18329	0.03718 0.03373
15 16	1.96526		-0.14584 1.17775	0.48531	-0.30050	-0.0946J 0.80497	1.16503	0.00758
4	3.26316							

## TABLE 199 TEACHERS KEY 9

SAMPLE SIZE	19			
DEPENDENT VAR	IABLE IS NO	ow no. 3		
λ.	MALVELS OF	VADIANCE	E G R	TH

COEFFICIENT OF DETERMINATION 0.3084 MULTIPLE CORR. COEFFICIENT 0.5554

ANALYSIS	OF VARIANCE	FOR THE	MULTIPIE
	LINEAR REGRE	<u>S\$10N</u>	
			0.4

SOURCE OF VARIATION	0.F.	SUM OF	MEAN	۴	
		SQUARES	SQUARES	VALUC	<u> </u>
DUE TO REGRESSION	8	1.12043	0.14305	0.5575	
DEVIATION ABOUT REGRESSION	10	2.51227	0.25123		n. <u>s.</u>
TOTAL	18	3.63270			

VARIABLE	MEAN	STD. DEVIATION	PEG. COEFF.	STD.EPROR OF REG.COE.	COMPUTED T VALUE	PARTIAL CCFR. CDE.	SUM OF SO. ADDED	PROP. VAR. CUM.
<u>NO</u> 1	1.26316	0.65338	-0.05734	0+23193	-0.24722	-0.07794 0.45036	0.01151 0.28364	0.00317
	5.10894 3.42158	<u> </u>	0.15532	0.09737	<u>1.59509</u> 0.22294	0.07032	0.08916	0.02454 0.10332
$\frac{12}{13}$	<u>23416.31250</u> 3.78947	<u>28451.16016</u> 1.08418	<u>C.00001</u> 0.04784	0.00001	0.97313	0.29412	0.37532 0.07093	0.1952
<u> </u>	<u>672.94727</u> 1.96526	<u>1475.75464</u> 1.04725	0.00001	0.00009 0.13249	<u>0.15376</u> 0.18455	0.26738	0.02181	0.00600 0.04962
<u> </u>	<u>1.94737</u> 0.54053	2.04052	0.04431	0+07494	0.59126	0.18379	0.08783	0.02418

# TABLE 200 TEACHERS KEY 9

19 COEFFICIENT OF DETERMINATION 0.6653 SAMPLE SIZE MULTIPLE CORR. COEFFICIENT 0.8157 DEPENDENT VARIABLE IS NOW NO. 2 ANALYSIS OF VARIANCE FOR THE MULTIPLE <u>LINEAR REGRESSION</u> VARIATION D.F. SUM OF SOURCE OF VARIATION D.F. MEAN SOUARES VALUE ρ SQUARES DUE TO REGRESSION..... DEVIATION ABOUT REGRESSION.... TOTAL... 17.43927 8.77386 26.21313 2.17991 2.4845 A 0.87739 n.s. 10 18

VARIABIE	MEAN	STD. OEVIATION	REG. CGEFF.	STD.ERROR OF REG.COE.	COMPUTED T VALUE	PARTIAL COPR. COE.	SUM OF SQ.	PROP. VAR CUM.
1	1.26316	0.65338	-0.15975	0.43344 0.18197	-0.36856	-0.11576 0.42910	1.33132	0.05079 0.02804
10	<u> </u>	<u> </u>	<u>0.27337</u> -0.34812	0.14988	<u>1.50225</u> -2.32265	-0.59197	0.31879	0.01216
12		28451.16016	0.00003	0.00001	3.06243	0.69568	<u> </u>	0.15238
13 14	3°•78947 672 <u>•94727</u>	1.C8418 1 <u>475.75464</u>	-0.00014	<u>C.00C16</u>	-0.83502	-0.25531	0.31083	0.01186
15	1.96526	1.04725	0.63543 0.14810	0.24760 0.14005	2.56640 1.05747	0.63016 0.31714	5.49004 0.98113	0.20944 0.03743
2	3.82631	1.20677						

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#### TABLE 201 STUDENTS KEY 8

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 5

## COEFFICIENT OF DETERMINATION 0.6732 MULTIPLE CORR. COEFFICIENT 0.8205

	4NAL	VSIS OF VARI	ANCE FOR T	THE MILTIPLE		0.8203		
	URCE OF VARI	4710N	n.r.	SUM OF	MEAN	F VALUE	ρ	
	EGRESSION	ESSION		24.23604	3.02950	1.8027	n. s.	
		TOTAL	15 3	36.00000				
VARIABLE	MEAN	STD.	PEG.	STD.FRRDP			STIM DE SQ.	PPOP. VAR.
l 2	1.00000	0.0	0.0	1.29637	0.0	-0.0	0.0	0.0
3	4.13375 16560 <u>-18750</u>	1.25212 <u>44106-75781</u>	-1.10836	•••••••	-1.27563	-0.43430	2.09314	0.05814
7 8	2.25000	1.73205 <u>6226,62109</u>	-0.69463		-2.97138	-0.74685	12.63126	0.35087
9 _10	2.25062	0.68875	0.77579		0.89532	0.32054	5.21721	0.14492
	3.50000	1.54919						<u></u>

#### TABLE 202 STUDENTS KEY 8

F

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW ANALYSIS OF VA	RIANCE F		MU			ETERMINATION COEFFICIENT	0.4759 0.6898
SOURCE OF VAPIATION	9.F.	SUM DE	MEAN	F	1781. <u>1</u>		
		SOUAPES	SQUAPES	VALDE	1 A.	p	
DHE TO REGRESSION.	8	26 71660	2 00024				

0117 BO 0 000 0 0 0 0		<u>SOUAPES</u>	SQUAPES	VALUE	P	
DUE TO REGRESSION	8	24.71469	3.04934	0.7944		
DEVIATION ABOUT REGRESSION	1	27.22281	3.89997		n.s.	
TOTAL	15	51.93750				<u> </u>
				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	

VARIARLE	MFAN	STO. DEVIATION	REG.	STO, FRECOR DF PEG.COF.	COMPUTED T_VALUE	PARTIAL COPP. COF.	SUM OF SO.	PPOP. VAR.
1	1.00000 <u>4.96062</u>	0.0	0.0	1.97205 0.92618	0.0	-D.O 0.41395	<u> </u>	<u> </u>
. <u>_6</u>		1.25212 <u>44106.75781</u>	-1.48379	1.32174	-1.12260	-0.39060	0.16498	<u>0.01312</u> 0.00318
7 <u>A</u>	2.25000 1697.37500		0.60375	0.35562	1.69775	0.54004	12.90102	0.00622
	2.25062 <u>1.25000</u> 1.56250	0.68875 <u>1.77012</u> 1.86078	2.12047 	1.31813	1.60970	0.51953 -0.30236		0.01050 0.14170 0.05274

#### TABLE 203 STUDENTS KEY 7

MEAM

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SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 8 ANALYSIS OF MARIANCE COR THE MULTIPLE .

# COEFFICIENT OF DETERMINATION 0. 5050 MULTIPLE CORR. COEFFICIENT

SOURCE OF VAPIATION D.F. SUM OF SQUAPES 0.7106

p

n.s.

SQUARES VALUE DUE TO PEGPESSION.... 30.17094 A 3.77137 0.8025 7 29.57904 4.22558 TOTAL ... 15 59.75000

VAR 1 ARL F	MEAN	STD. DEVIATION	PFG.	STD.FRPDF DF PFG.COC.	COMPLITED T VALUE	PARTIAL CORP. COF.	SUM OF SO.	PROP. VAR.
1 2	1.00000 	0.0	0.0	2.05562	0.0	-0.0	0.0	0.0
	4.13375	1.25212	0.84768 0.38054	1 • 44627 0 • 42512	0.58611 0.89512	0.21629	1.63129	0.02730
$10 \\ -11 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\ -12 \\$	2.25000	1.94936 <u>1.76491</u>	-0.30470 	0.36591 <u>0.64666</u>	-0.83272	-0.30022	7.04943	0.11798
12 13 8	0.01250 0.0 1.87500	0.01770 0 1.99583	-23.37968 0.0	47.37721 <u>2.05562</u>	-0.49348 0.0	-0.19336 -0.0	1.02901	0.01722

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# TABLE 204 STUDENTS KEY 7

SAMPLE SIZE 16
DEPENDENT VARIABLE IS NOW NO. 7
ANALYSIS OF VARIANCE FOR THE MULTIPLE

# COEFFICIENT OF DETERMINATION0.4453MULTIPLE CORR. COEFFICIENT0.6673

.

LINGAR	SECRES	SION			•	
SOURCE OF VARIATION	N.F.	SUM DE SQUARES	MEAN SQUARES	F VALUF	р	
OUE TO REGRESSION	8	28.24776	3.53097	0.7024		
DEVIATION AROUT REGRESSION	<u> </u>	35.18974	5.02711		<u>n.s.</u>	
τΩΤΛΙ	15	63.43750				

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VARIARLE	MEAN	\$70.	REG.	STD.FRROP	CUMPILLED	PARTIAL	SUM OF SO.	PRITO. VAR.
NO.		DEVIATION	COFFF,	OF REG.COE.	T VALUE	CCPP COE	ADDED	CUM.
1	1.00000	0.0	0.0	2.24212	0.0	-0.0	0.0	2.0
2	4-96062	1.66834	0.82924	1.04295	0.79509	0.28780	2.05252	0.03235
3	4.13375	1.25212	-0.92476	1.57749	-0.5R627	-0.21632	15.43283	0.24328
	2.25000	1.73205	-0-46340	0.46369	-0-99936	-0.35336	0.72968	0.01150
10	2.25000	1.94936	-0.20538	0.39910	-0.51459	-0.19092	5.58923	0.08811
11	2,00000	1.26491	0.66268	0.70533	0.93952	0.33463	4.21394	0.06643
12	0.01250	0.01770	-11.04279	51.67558	-0.21369	-0.08051	0.2295B	0.00362
			. 0.0	2.24212	0.0	-0.0	_0_0	0_0
7	3.31250	2.05649						

# TABLE 205 STUDENTS KEY 7

SAMPLE SIZE	16		
DEPENDENT VA	RIABLE IS	NOW NO.	6
L.	NALVSIS OF		F FOR THE

# COEFFICIENT OF DETERMINATION<br/>MULTIPLE CORR. COEFFICIENT0.5569<br/>0.7463

ANTINE OF AV	ANER P	W THE WILTIDE				
LINEAR	RECRES.	5108				
SDURGE OF VARIATION	P.E.	SUM OF	MEAN	<u>г</u>		
		SOUARES	SQUAPES	VALIIF	P	
DHE TO REGRESSION	8	33.27510	4.15930	1.0997		
DEVIATION ABOUT REGRESSION	7	26.47490	3.78213		n.s.	
TOTAL	15	59.75000				

VARTABLE.	MEAN	STD. DEVIATION	RFG.	STD.FPPOP	COMPLITED T VALUE	PAPTIAL CUPR. COF.	SHM OF SC.	PROP. VAP.
<u>ŅO •</u>				OF REG COE				CUM.
1	1.00000	0.0	0.0	1.94477	0.0	-0.0	0.0	0.0
		1.66834	-0.95582	0.90463	-1.05658	-0.37097	0.07409	0.00124
3	4.13375	1.25212	1.65130	1.36828	1.20684	0,41501	6.22702	0.10422
. 9	2.25000	1.73205	0.42432	0.40220	1.05500	0.37239	14.31200	0.23953
10	2.25000	1.94936	-0.4936R	0.34617	-1.42609	-0.4744B	11.40700	0.19091
11	2.00000	1.26491	0.27218	_0.61179	C.44489	0.16583	0.41925	0.00702
12	0.01250	0.01770	-21.07112	44.82233	-0.47010	-0.17494	0.63580	0.01399
13	0.0	0.0	0.0	1.94477	0.0	-0.0	0.0	0.0
6	2.17500	1.99583	-					

# TABLE 206 STUDENTS KEY 7

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW			C M	0.6958 0.8341		
ΔΗΛΕΥΣΤΟ ΟΕ ΥΛΟ ΕΙΝΕΔΩ	RFGRFS					
SOURCE OF VARIATION	n.F.	SUM OF SQUARES	SOUARES	F VALUE	p	_
DUE TO REGRESSION	8 7	40.18097 17.54903	5.02262 2.50986	2.0012	n.s.	
TOTAL	15	57.75000			•	

VARIARLE	MEAN	• 11.2	PTG.	CTD FRENR	COMPLITEN	PASTIAL	SUM OF SO.	PROP. VAR.
<u>NO.</u>		<u></u>	COFF.	DE PEG.EOF.	T VALUE	CORR. COF.	ADDED	CUM.
1	1.00000	0.0	n_n	1.58425	0.0	-0.0	0.0	0.0
	4.95062	1.66834	-0.77571	0.73693	-1.05262	-0.36967	0.15836	0.00274
3	4.13375	1.25212	1.33166	1.11463	1.19471	0.41155	4.77569	0.08270
9	2,25000	1.73205	0.05472	0,32764	0.16702	0.06300	11.69097	0.20244
10	2.25000	1.94936	-0.34968	0.29200	-1.23644	-0.42338	13.97407	0.24198
_11	2.00000	1.26491	0.97378	0.49838	1.95390	0,59406	R.91449	0.15436
12	0.01250	0.01770	-18.82945	36.51331	-0.51569	-0.19131	0.66743	0.01156
13	0.0	.0.0	0.0	1.58425	0.0	-0.0	0.0	0.0
5	1.87500	1.96714						

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#### TABLE 207 STUDENTS KEY 7

## SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 4 ANALYSIS OF VAPIANCE FOR THE MINITIPLE

## COEFFICIENT OF DETERMINATION 0.7534 MULTIPLE CORR. COEFFICIENT 0.8680

25.6255	<u>S LON</u>				
<b>1.F.</b>	SILM OF	MFAN	F		
	SQUARES	- SOHARES	VALUE	Р	
ų	55.56676	6.94534	2.1739		
. 7	18.18324	2.59761		n.s.	
15	73.75000				
		SQUARES 9 55.56676 .7 18.18324	O.F.         SIIM OF         MEAN           SQUARES         SQUARES         SQUARES           N         55.56676         6.94534           -7         18.18324         2.59761	D.F.         SIM OF         MEAN         F           SOHARES         SOHARES         SOHARES         VALUE           N         55.56676         6.94534         2.6739           - 7         18.18324         2.59761         2.6739	O.F.         CIM OF         MEAN         F           SQUARES         SQUARES         SQUARES         VALUE         P           N         55.56676         6.94534         2.6739         n.s.           - 7         18.18324         2.59761         n.s.

VARIABLE	MEAN	<u>.</u>	0F(;.	STD. EP202	COMPUTED	DAPTIAL	SIM OF SO.	PROP. VAR.
<u>NO.</u>		CEVIATION	COSFF.	UF 256.000.	T VALUE	CORR. COE.	ADDED	CUM.
1	1.00000	0.0	0.0	1.61171	0.0	-0.0	0.0	<u> </u>
2	4.96062	1-46934	-0.03172	C. 74070	-0-04232	-0.01599	0.69400	3.00942
3	4.13375	1.25212	0.23639	1.13395	9.20847	0.17355	12.28271	0.16655
9	2.25000	1.73205	0,27510	0.33332	0.82534	0.29780	19-16486	0.25986
10	2.25000	1.94936	-0.19479	0.78689	-0.67897	-0.24157	10.94104	2.14835
11	2.00000	1.26491	0.69253	0.50702	1.36590	0.45874	8.12797	0.11021
12	0.01250	0.01770	48.07955	37.14607	1.29488	0.43959	4.35546	0.05906
13		0.0	0+0	1.61171	0+0	-0.0	0.0	0.0
4	2.37500	2.21735						

TABLE 208 STUDENTS KEY 6

SAMPLE SIZE 16

DEPENDENT VARIABLE IS NOW NO. 8

COEFFICIENT OF DETERMINATION 0, 2677 MULTIPLE CORR. COEFFICIENT

0.5174

SOURCE OF VARIATION	N.F.	SUM OF SQUARES	MEAN	F	р	<u>+</u>		
DUE TO REGRESSION.	я 7	2.12469	0.26559	0.3198	n.\$.			
TOTAL	15	7.93750			* <u>_**</u>			

V AR TARL F	4FAN	STD. DEVIATION	PEG. COEEE.	STO, CRANP	COMPLITED	PARTIAL	SUM OF SQ.	PROP. VAR.
1	2.50000	0.73030	-0.18241	0.38111	-0.47862	-0.17901	0.28125	0.03543
3	4.26000	1.29755	-0.12935	0.22358	-0.57856	-0.21363	0.12658	0.01595
10 11	3.00000	1.36626	-0.22508	0.31699 21.80687	-0.71004	-0.25920	0.41311	0.05205
12 <u>13</u>	2.76875	0.47209	-0.46077	0.56562	-0.81463	-0.29916	0.4384?	0.05523
8	4.43750	0.77744						

TABLE 209 STUDENTS KEY 6

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 7 . ANALYSIS OF VARIANCE FOR THE BUTTOLE

COEFFICIENT OF DETERMINATION 0.2731 MULTIPLE CORR. COEFFICIENT 0.5226

SUM OF	145 4 44			
SQUARES	MEAN Souare s	F VAL UE	р	
3.27734	0.40967	0.3298		
12.00000	1.24009			
	3.27734	3.27734 0.40967 9.72266 1.24609	3.27734 0.40967 0.3298 9.72266 1.24609	3.27734 0.40967 0.3298 9.72266 1.24609 n.s.

• 50000 • 26062 • 26000	0.73030	-0.23203	0.46636	-0.49701	<u>CORR. COF.</u> -0.18462 C.04048	<u>AODED</u> 0.12500 0.01156	<u>CUM.</u> 0.01042
.25000	1.20755	0.00011					
.75000		-0.20514 0.00000	0.27388	-0.74902	-0.27240	0.89398	0.07450
•••00000 ••020 <u>00</u>	1.36626	-0.02260	0.39831	-0.05820	-0.02199	0.23182	2.01932 2.00266
•76875	0.47209 0.72744	0.48364	0.69237	0.69803	0.25510	0.72786	0.06066
i . 1.	• 00000 • 02000 • 76875	• 00000 1 • 36626 • 02000 0 • 01633 • 76875 0 • 47209 • 43750 0 • 72744	•00000 1.36626 -0.02260 •02000 0.01633 -0.50601 •76875 0.47209 0.48364 •43750 0.72744 -0.30588	•00000 1•36626 -0•02260 0•3831 •02000 0•01633 -0•50601 26•71310 •76875 0•47209 0•48364 0•69237 •43750 0•72744 -0•30588 0•55518	•00000 1•36626 -0•02260 0•39831 -0•05870 •02000 0•01633 -0•50601 26•71310 -0•01894 •76875 0•47209 0•48364 0•69237 0•69803 •43750 0•72744 -0•30588 0•55518 -0•55995	•00000 1•36626 -0•02260 0•3831 -0•05820 -0•02199 •02000 0•01633 -0•50601 26•71310 -0•01894 -0•02199 •76875 0•47209 0•48364 0•69237 0•69803 0•25510 •43750 0•72744 -0•30588 0•55518 -0•55995 -0•20387	•00000 1•36626 -0•02260 0•3831 -0•05820 -0•02199 0•23182 •02000 0•01633 -0•50601 26•71310 -0•01894 -0•02199 0•23182 •76875 0•47209 0•48364 0•69237 0•69803 0•25510 0•72786 •43750 0•72744 -0•30588 0•55518 -0•55995 -0•20387 0•37825

#### TABLE 210 STUDENTS KEY 6

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SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 6 ANALYSIS OF VARIANCE FOR THE MULTIPLE

### COEFFICIENT OF DETERMINATION 0.5942 MULTIPLE CORR. COEFFICIENT 0.7708

	<u>PEGRES</u>	SION				
SOURCE DE VARIATION	h.F.	STIM OF	MEAN	F		
		SOUARES	SOUARES	VALUE	Р	
DHE TO REGRESSION.	Ą	23.13640	2.892.05	1.2812		
DEVIATION ABOUT REGRESSION	7	15,80110	2,25730		n.s.	
TOTAL	15	39.93750				

VARTABLE <u>NO</u>	MEAN	STP. DEVIATION	REG. COEFE.	STD.FRROP DF PEG.COF.	COMPLITED T. VALUE	PARTIAL CORR. COL.	SUP DE SO.	PPOP. VAR.
1	2.50000	0.73030	-0.18225	0.62936	-0.29904	-0.10958	3.78125	0.09711
	5. 26062	0.59210	-1.26048	1.11433	-1.13115	-0.39211	4.20946	2.12609
3	4.26000	1.29755	0.74835	0.26862	2.03014	0.60876	8.96755	0.23031
9	60164.75000	72185.25000	_0.00001	0,00001	0.79554	0.28795	0.35230	0.00905
10	3.00000	1.36626	0.32836	0.52264	0.67P2P	0.23105	0.0000	0.00000
<u></u>	0.02000	0.01633	-24.42247	35.95370	-0.67928	-0.24868	0.28974	0.00744
12	2.76975	0.47209	0.56698	0.93255	0.60799	0.22393	1.27876	0.03284
13	2.43750	0.72744	-0.93905	0.74723	-1.25537	-0.42960	3.55741	0.09136
6	4.06250	1.61116						

TABLE 211 STUDENTS KEY 6

SAMPLE SIZE 16	
DEPENDENT VARIABLE IS NOW NO. 5	
ANALYSIS OF VARIANCE FOR TH	E MHLTTPLF

# COEFFICIENT OF DETERMINATION0.7138MULTIPLE CORR. COEFFICIENT0.8449

LINEAR	REGRES	STOR				
SOURCE OF VARIATION	0.F.	SHM OF	MEAN	F.		
		SOUAPES	SQUAPES	VALUE	p	
DHE TH REGRESSION	Ŕ	45.68205	5.71026	2.1921		
DEVIATION ABOUT PECRESSION	1	19,31795	2,61695		n.s.	
TOTAL	15	64.00000				

VARTARLE	MEAN	STO. EVIATION	REG.	STD.FRPDE		PARTIAL CORS. COR.	STIM OF SO.	PROP. VAR.
1 2	2.50000	0.73030	0.22729	0.67655	0.33596	0.12597 -0.19773	<u>8.00000</u> 8.00000 2.60728	0.12500
3	4.26000	1.29755	1.16245	0.39689	-0.65783	C.74206	14.33270	0.22395
10	3.00000		0.26446 -74.55150	0.56272	0.44994	0.17489	1.10791	0.01731
17	2.76875		-0.44882	1.00408	-0.44700	-0.16659	0.30158	0.00471
5	4.50000	2.06559						

TABLE 212 STUDENTS KEY 6

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW	NO. 4				F DETERMINATION R. COEFFICIENT	0.6694 0.8182
ANALYSIS OF VA	•	OR THE MULTIPLE STON				
SOURCE OF VARIATION	<b>D.F.</b>	SUM OF	MEAN		р	
DUE TO REGRESSION. DEVIATION ABOUT, REGRESSION	я — 7	19.36769	2.29595	1.7720	n.s.	
TOTAL	15	27.43750				

VARTABLE ND.	MF AN	STD. DEVIATION	REG.	STD.FRADE DF REG.COF.	COMPUTED T. VALUE	PAUTIAL COPP. COF.	SIM OF SQ.	PROP. VAR.
1	2.50000	0.73030	-0.33630	0.47676	-0.70643	-0.25797	3.78125	n.13791 0.10623
3	4.26000 <u>60164.75000</u>	1.29755 721 <u>85.25000</u>	0.70091	0.27928	2.50996	0.17146	10.90355	0.39740
10 	3.00000	1.36626	0.16656	0.39596	0.42064	0.15702	0.21905	0.00795
12 13	2.76975	0.47200 0.72744	-1.12733	0.70552	-0.03161	-0.01195	0.00125	0.00005
4	4.31250	1.35747					· · · · · · · · · · · · · · · · · · ·	



#### TABLE 213 STUDENTS KEY 5

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 8 ANALYSIS OF VARIANCE FOR THE MULTIPLE

### COEFFICIENT OF DETERMINATION 0.5950 MULTIPLE CORR. COEFFICIENT 0.7714

SOURCE OF VARIATION	<u>REGRES</u>	SUM OF	MEAN			
		SOHARES	SOHARES	VALIT	p	
E TO REGRESSION	q	23.65089	2.95536	1.2854		
VIATION ABOUT REGRESSION	7	16.09911	2.29937		n.s.'	
TOTAL	15	39.75000				

VAR1A9LF 	ME.AV	STD. DEVIATION	PEG.	STD. FRAME	COMPLITED T	0 00 1 0 0 CCR2 0 CCF 0	ADDED	CUM.
1	1.00000	C.O	0.0	1.51(53	0.0	-0.0	0.0	C.0 0.00761
5 9	4.13375	1.25212	-1.95977	1.01644	-1.92808 -0.58341	-0.58895	15.04068	0.37838
10 11	2.75000 1697.37500	1.73205	-0.12787 0.00005	0.27348	-0.44759	-0.17404 C.18508	1.15585	0.02908
12	2.25062	0.68975	-0.69724	1.01366	-0.69094	-0.24925	0.06133	0.00154
٩	4.62500	1.62788						

### KEY 5 TABLE 214 STUDENTS

SAMPLE SIZE	16	
DEPENDENT VAR	IABLE IS NOW NO	). 7

COEFFICIENT OF DETERMINATION 0.6998 MULTIPLE CORR. COEFFICIENT 0.8365

ANALYSIS OF VARIANCE FOR THE MILTIPLE LINTAR EFGERSSION

SOURCE OF VARIATION	<b>n.f.</b>	SUM OF SOUAFES	MEAN	VALU5	p	
DUE TO REFRESSION	Ą	36.21457	4.57682	2.0397		
DEVIATION ABOUT REGERESSION		15,53543	2,21935		n.s.	
TOTAL	Į e	51.75000				

, i contra								
VARIARL	E MEAN	5TD.	CUEEE.	STD. FREND	EOMPHIED T. VALUE		SUM OF SQ.	PPOP. VAR.
1 6	1.00000	0.0	0.0	1.48975	0.0	-0.0	0.0	0.0
۲ ر	4.13375	1.25212	-2.01458	0.99848	-2.01764	-0.69530 0.19901	17.68633 2.32553	0.34176
10	2.25000	1.73205	-0.27615	0.26565	-1.02792	-0.34215	0+11009	0.00713
12	2.25062	0.6P875 1.77012	-1.30717	0.35527	-1.31274	-0.44447	0.42400	0.00819
7	4.12500	1.85742						

#### TABLE 215 STUDENTS KEY 5

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 6

### COEFFICIENT OF DETERMINATION 0.5952 MULTIPLE CORR. COEFFICIENT 0.7715

 
 INTERPOSE
 INCOMPONE
 <t SCHREF OF VAPIATION MEAN F DUE TO REGRESSION.... DEVIATION ABOUT REGRESSION.... SOUARES SOUAPES 4.29477 VALUE ρ 34.37415 23.37585 2 1.2867 n.s. 7 3.33941 15 57.75000

VARIARLE	MC VV	STD.	0FC.	< <u>z</u> U*E#3Ub	COMPLITED	ΡΑΓΤΙΛΙ	SHM DE SO.	PPOP. VAP.
<u>NO.</u>		DEVIATION	C0566*	DE PEG.COF.	TVALUE	CORS. COE.	ADDED	CUY.
1	1.00000	0.0	0.0	1.82740	0.0	-0.0	0.0	0.0
4	4.96062	1.66834	1.62510	0.35825	1.03515	0.58435	2.79958	0.04948
5	4.13375	1.25212	-2.29689	1.27479	-1.87533	-0.57828	3.89054	0.06737
9	16540.18750	44106.75781	-0.00000	0.00002	-0.26995	-0.10150	2.04219	0.03536
10	2.25000	1.73205	-0.20644	0.32954	-0.62646	-0.23041	0.09199	0.00159
<u> </u>	1697.37500	<u>5226.62109</u>	-0.00008	_0.00012	-0.67293	-0.24450	13.45168	0.23293
12	2.25062	0.68875	1.61961	1.22145	1.32598	0.44805	10,96694	0.19990
	1,25200	<u> </u>	0.25364	0.42579	0.53203	0.21485	1.13122	0.01959.
6	3.97500	1.96714						

#### TABLE 216 STUDENTS KEY 5

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 3 ANALYSIS OF VALIANCE FOR THE MULTIPLE LINEAR EFGRESSION					COEF MULT	0.3213 0.5669		
SOLV	RCE OF VAPI			114 OF	MFAN	F		
1(0)				UARES	SOUARES	VALUE	P	
	GRESSION			.70573	4.33922	0.4143		•
DEVIATION	ABOUT REGR			<u>.29427</u> .00000	10,47961	,	n.s	
<b></b>		<u> </u>						
VARTARI.E	MEAN	STD. DEVIATION	REG.	STD.FPROR			511M OF 50.	PROP. VAP.
1	1.00000	0.0	0.0	3.23583	0.0	-0.0	n.0	0.0
4	4.96062	1.66934	0.02669	1.51972	0.01756	0_00664	0.33954	0.00314
- 9 11	4.13375	1.25212 44106-75781	0.0392	2.16377	0.01564	0.00591	7.34889 5.07139	0.96805 0.04696
10	2.25000	1.73205	0.48270	0.58352	0.82723	0.29842	14.01481	0.12977
<u> </u>	1697.37500	6226 62109	-0.00004	0.00020	-0.21438	-0.08076	4-41960	0.04092
12	2.25062	0.68875	0.95693	2.16285	0.44239	0.16492	3.35593	0.03107
<u>- 13</u>	2.50000	1.77012 2.68328	0.00408	0.77167	0.12192	0.04503	0,15566	0.00144
			TA	BLE 217 S	STUDENTS	KEY 5		
SAMPLE DEPEND	ENT VARIAE	6 BLE IS NOW NO YSIS OF VAPI		F MILTER F			DETERMINATION COEFFICIENT	0.5249 0,7245
2011	CE OF VART				MEAN	F	<u>р</u>	
					SQUAPES	VALUE	P	
	ABOUT PEGP			.71089	7.21396	0.9660	n.s.	
<u></u>	<u></u>			. <u>22661</u> .93750	7.46094			
VARIABLE	MEAN	<u>ڊ</u> ۲۵.	REG.	STD.FRRDE	COMPILTED	PAPTIAL	SUM OF SO.	PROP. VAR.
<u>NO</u>	1 0000	DEVIATION	0.0	<u>OF FFG CPF</u>	~	CU62 CUE		<u>CtiM</u>
				2.73147	0.0	-0.0		
4	1.00000	0.0					0.0	0.0
<u>4</u>	<u>4.96062</u> 4.13375	<u> </u>	1.17567	1,28285	0.91646	0.32731	2,95947	0.02692
<u>    4                                </u>	<u>4.96062</u> 4.13375 5540-1 <u>8750</u>	1.25212 44106.75781	-1.17567 -1.64509 -0.00001					0.02692
<u>4</u> 5 <u>9</u> 10	4.96062 4.13375 5540.18750 2.25000	<u>1.66834</u> 1.25212 44106.75791 1.73205	1.17567 -1.64509 0.00001 -0.85799	1.28285 1.83073 0.00002 0.49257	0.01646 -0.89959 0.44307 -1.74189	0.32731 -0.32159 0.16515 -0.54989	2.95947 15.75662 2.33037 10.84051	0.02692
$-\frac{4}{5}$ - <u>9 14</u> 10 - <u>11 1</u>	4.96062 4.13375 5540.18750 2.25000 1697.37500	1.25212 44106-75791 1.73205 4226-62109	-1.64509 -0.00001 -0.85799 -0.00017	1.28285 1.83073 0.00002 0.49257 0.0017	0.91647 -0.89959 0.44307 -1.74189 -1.00689	0.32731 -0.32159 0.16515 -0.54989 -0.35568	2.95947 15.75662 2.33037 10.84051 21.83037	0.02692 0.14332 0.02120 0.09861 0.19857
<u>4</u> 5 <u>-9 14</u> 10 <u>-11 1</u> 12	4.96062 4.13375 5540.18750 2.25000 1697.37500 2.25062	1.25212 44106.75781 1.73205 6226.62109 0.68875	-1.17567 -1.64509 -0.0001 -0.85799 -0.00017 -0.99919	1.28285 1.83073 0.00002 0.49257 0.0017 1.82573	-0.91646 -0.89959 -0.44307 -1.74189 -1.00689 -0.49251	-0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.18301	2.95947 15.75667 2.33037 10.84051 21.83037 3.54197	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222
<u></u>	4.96062 4.13375 5540.18750 2.25000 1697.37500	1.25212 44106-75791 1.73205 4226-62109	-1.64509 -0.00001 -0.85799 -0.00017	1.28285 1.83073 0.00002 0.49257 0.0017	0.91647 -0.89959 0.44307 -1.74189 -1.00689	0.32731 -0.32159 0.16515 -0.54989 -0.35568	2.95947 15.75662 2.33037 10.84051 21.83037	0.02692 0.14332 0.02120 0.09861 0.19857
	4.96062 4.13375 550.18750 2.25000 1692.37500 2.25062 1.25000	1.66934 1.25212 64106.75731 1.73205 6226.62109 0.68875 1.77012	1.17567 -1.64509 0.00001 -0.85799 -0.00017 0.99919 0.16027	1.28285 1.83073 0.40257 0.49257 0.40017 1.82573 0.65130	-0.91646 -0.89959 -0.44307 -1.74189 -1.00689 -0.49251	-0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.18301	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163	0.02692 0.14332 0.02120 0.09861 0.19857 0.03727
$     \frac{4}{5}     \frac{9}{10}     \frac{11}{12}     \frac{13}{2}     $	4.96062 4.13375 5560.18750 2.25000 1.602.37500 2.25062 1.25000 4.43750	1.66934 1.25212 44106.75791 1.73205 626.62100 0.68875 1.77012 2.70724	1.17567 -1.64509 0.00001 -0.85799 -0.00017 0.99919 0.16027	1.28285 1.83073 0.00002 0.49257 0.40017 1.82573 0.65130	0.01647 -0.89959 -1.74189 -1.74189 -1.00689 0.49251 0.24604 STUDENTS	-0.32731 -0.32159 0.16515 -0.54989 -0.355(8 0.19301 0.09260 KEY 4	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163	0.02692 0.14332 0.02120 0.09861 0.19857 0.03777 0.00411
5 10 11 12 2 SAMPLE	4.96062 4.13375 5540.18750 2.25000 2.25062 1.25000 4.43750 SIZE 1	1.66934 1.25212 44106.75791 1.73205 6226.62100 0.68875 1.77012 2.70724 6	1.17567 -1.64509 -0.00001 -0.85799 -0.00017 0.97919 0.16027	1.28285 1.83073 0.00002 0.49257 0.40017 1.82573 0.65130	0.01647 -0.89959 -1.74189 -1.76189 0.49251 0.24704 STUDENTS COEF	0.32731 -0.32159 0.16515 -0.54989 -0.35569 0.19301 0.09260 KEY 4	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163 DETERMINATION	0.02692 0.14332 0.02120 0.09861 0.19857 0.03727 0.00411
5 916 10 11 12 2  SAMPLE	4.96062 4.13375 5540.18750 2.25000 2.25062 1.25000 4.43750 SIZE 1 ENT VARIAE	1.66934 1.25212 44106.75791 1.73205 426.62100 0.68875 1.77012 2.70724 6 6 6 6 6 15 NOW No	1.17567 -1.64509 0.00001 -0.85799 -0.00017 0.97919 0.16027 TA	1,28285 1,83073 0,0002 0,49257 1,82573 0,65139 BLE 218 \$	0.01647 -0.89959 -1.74189 -1.76189 0.49251 0.24704 STUDENTS COEF	0.32731 -0.32159 0.16515 -0.54989 -0.35569 0.19301 0.09260 KEY 4	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163	0.02692 0.14332 0.02120 0.09861 0.19857 0.03777 0.03777
5 10 11 12 2 SAMPLE	4.96062 4.13375 5562.18750 2.25000 2.25062 1.25000 4.43750 SIZE 1 ENT VARIAE	1.66934 1.25212 44106.75791 1.73205 6226.62100 0.68875 1.77012 2.70724 6	1.17567 -1.64509 -0.00011 -0.85799 -0.00017 0.97919 0.16027 TA	1,28285 1,83073 0,0002 0,49257 1,82573 0,65139 BLE 218 \$	0.01647 -0.89959 -1.74189 -1.76189 0.49251 0.24704 STUDENTS COEF	0.32731 -0.32159 0.16515 -0.54989 -0.35569 0.19301 0.09260 KEY 4	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163 DETERMINATION	0.02692 0.14332 0.02120 0.09861 0.19857 0.03777 0.00411
	4.96062 4.13375 5562.18750 2.25000 2.25062 1.25000 4.43750 SIZE 1 ENT VARIAE	1.66934 1.25212 44106.75731 1.73205 6226.62100 0.68875 1.77012 2.70724 6 6 6 8 1.E IS NOW NO VCLS (15 V10) LINEAR	1.17567 -1.64509 0.00011 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 ANCE FOR TA <u>0.60775510N</u> D. 6	1.28285 1.83073 0.0002 0.49257 0.20017 1.82573 0.65139 BLE 218 BLE 218	0.01647 -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24704 STUDENTS COEF MULT	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 KEY 4 FICIENT OF FICIENT OF	2.95947 15.75662 2.33037 10.84051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT	0.02692 0.14332 0.02120 0.09861 0.19857 0.03727 0.00411
	4.96062 4.13375 5560.18750 2.25000 2.25062 1.25000 4.43750 SIZE 1 ENT VARIAE ANAL	1.66934 1.25212 44106.75791 1.73205 6.226.62109 0.68975 1.77012 2.70724 6 1.27012 2.70724 6 1.210 VCIS (10 V10) LINEAR	1.17567 -1.64509 0.00011 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 ANGE FOR TO P.F. SG	1.28285 1.83073 0.40002 0.49257 0.49257 1.82573 0.65130 BLE 218 BLE 218 BLE 218	0.0164 -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24704 STUDENTS COEF MULT MFAN SQUASES	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 KEY 4 FICIENT OF FICIENT OF TIPLE CORR,	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163 DETERMINATION	0.02692 0.14332 0.02120 0.09861 0.19857 0.03727 0.00411
	4.96062 4.13375 5560.18750 2.25000 2.25000 4.43750 5IZE 1 ENT VARIAE ANAL	1.66934 1.25212 44106.75791 1.73205 6.226.62109 0.68875 1.77012 2.70724 6 1.27012 2.70724 6 1.210 1.72012 2.70724 6 1.210 1.72012 2.70724	1.17567 -1.64509 0.00011 -0.85799 -0.00017 0.97919 0.16027 TAI D. 6 AVC FOR TA P.F. SC 8 25 8 25 8 25 8	1.28285 1.83073 0.49257 0.49257 1.82573 0.65130 BLE 218 BLE 218 BLE 218 0.002386	0.01647 -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24704 STUDENTS COEF MULT MEAN SQUASES 3.63548	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 KEY 4 FICIENT OF FICIENT OF	2.95947 15.75662 2.33037 10.84051 21.83637 3.54197 0.45163 DETERMINATION COEFFICIENT	0.02692 0.14332 0.02120 0.09861 0.19857 0.03777 0.00411
	4.96062 4.13375 5560.18750 2.25000 2.25062 1.25000 4.43750 SIZE 1 ENT VARIAE ANAL	1.66934 1.25212 44106.75791 1.73205 6.226.62109 0.68875 1.77012 2.70724 6 1.27012 2.70724 6 1.210 1.72012 2.70724 6 1.210 1.72012 2.70724	1.17567 -1.64509 -0.00011 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 AVCE FOR T PEGRESSION D. 5 SC 8 25 7 85	1.28285 1.83073 0.40002 0.49257 0.49257 1.82573 0.65130 BLE 218 BLE 218 BLE 218	0.0164 -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24704 STUDENTS COEF MULT MFAN SQUASES	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 KEY 4 FICIENT OF FICIENT OF TIPLE CORR,	2.95947 15.75662 2.33037 10.84051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT	0.02692 0.14332 0.02120 0.09861 0.19857 0.03727 0.00411
	4.96062 4.13375 5560.18750 2.25000 2.25000 4.43750 5IZE 1 ENT VARIAE ANAL	1.66934 1.25212 44106.75791 1.73205 6226.62100 0.68875 1.77012 2.70724 6 0 VCIS ()T VAP LINEAR ATION CSSIDN	1.17567 -1.64509 -0.00011 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 AVCE FOR T PEGRESSION D. 5 SC 8 25 7 85	1.28285 1.83073 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 BLE 218 0.09396 .09396	0.01647 -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24704 STUDENTS COEF MULT MEAN SQUASES 3.63548	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 KEY 4 FICIENT OF FICIENT OF TIPLE CORR,	2.95947 15.75662 2.33037 10.84051 21.83637 3.54197 0.45163 DETERMINATION COEFFICIENT	0.02692 0.14332 0.02120 0.09861 0.19857 0.03727 0.00411
	4.96062 4.13375 5560.18750 2.25000 2.25000 4.43750 5IZE 1 ENT VARIAE ANAL	1.66934 1.25212 44106.75791 1.73205 6226.62100 0.68875 1.77012 2.70724 6 6 9 1.E IS NOW NO VCIS ()T V101 LINEAR ATION FOR AL	1.17567 -1.64509 -0.00017 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 ANGE FOR T PEGRESSION D.F. SC R 255 7 80 15 117 PEG.	1.28285 1.83073 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 BLE 218 0.09396 .09396	0.0164/ -0.89959 0.44302 -1.74189 -1.74189 0.49251 0.24604 STUDENTS COEF MULT MFAN SQUACES 3.63548 12.62195	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 KEY 4 FICIENT OF FICIENT OF FIPLE CORR,	2.95947 15.75662 2.33037 10.84051 21.83637 3.54197 0.45163 DETERMINATION COEFFICIENT	0.02692 0.14332 0.02120 0.09861 0.19857 0.03777 0.00411
	4.96062 4.13375 5540.18750 2.25000 2.25062 1.25000 4.43750 51ZE 1 ENT VARIAE ANAL PCE OF VARI GRESSION	6 1.25212 44106.75731 1.73205 6226.62100 0.68875 1.77012 2.70724 6 1.E IS NOW NO VCLS (JC V10) LINEAR ATION CSSION TOTAL	1.17567 -1.64509 0.00010 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 AVCE FOR T P.F. SC R 25 7 80 15 117 PEG.	1.28285 1.83073 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 BLE 218 STD.5250 STD.52500 STD.52500	0.0164/ -0.89959 -1.74189 -1.74189 0.49251 0.24604 STUDENTS COEF MULT MEAN SQHASES 3.63548 12.62195	0.32731 -0.32159 0.16515 -0.54989 -0.35569 0.19301 0.09260 KEY 4 FICIENT OF TIPLE CORR, VALUE 0.2880	2.95947 15.75662 2.33037 10.84051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT P n.s. SUM OF SO.	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222 0.00411 0.2477 0.4976
	4.96062 4.13375 5540.18750 2.25000 2.25062 1.25000 4.43750 4.43750 SIZE 1 ENT VARIAE ANAL PCE OF VARI GRESSION ARQUIT REGP	1.66934 1.25212 44106.75731 1.73205 6226.62100 0.68875 1.77012 2.70724 6 6 6 6 6 6 6 6 6 6 1.177012 2.70724 6 6 1.177012 2.70724 6 1.177012 2.70724 1.77012 2.70724 0.68875 1.77012 2.70724 0.68875 1.77012 2.70724 0.68875 1.77012 2.70724 0.7570 0.68875 1.77012 2.70724 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.777000 0.777000 0.7770000000000	1.17567 -1.64509 0.00011 -0.85799 -0.0017 0.97919 0.16027 TA D. 6 ANCE FOR TH P.E. SC R 25 7 89 15 117 P.E.	1.28285 1.83073 0.49257 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 STO.5274	0.0164/ -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24604 STUDENTS COEF MULT MFAN SQ140FC 3.63548 12.62195 C(1940)(TED F. T.VALHE 0.9	<u>0.32731</u> -0.32159 <u>0.16515</u> -0.54989 <u>-0.35568</u> 0.19301 0.09260 KEY 4 FICIENT OF TIPLE CORR, VALUE 0.2880	2.95947 15.75662 2.33037 10.84051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT P n.s. SUM OF SO. ADDED 0.0	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222 0.00411 0.2477 0.4976
	4.96062 4.13375 5562.18750 2.25000 2.25000 4.237500 4.43750 51ZE 1 ENT VARIAE ANAL PCE OF VARIA GRESSION ARQUIT REGP MEAN 1.00000 4.96062	1.66934 1.25212 44106.75731 1.73205 6226.62109 0.68875 1.77012 2.70724 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	1.17567 -1.64509 0.00011 -0.85799 -0.0017 0.97919 0.16027 TA D. 6 AVCE FOR T P.F. SC R 25 7 89 15 117 	1.28285         1.83073         0.49257         0.49257         1.82573         0.45139         0.45139         BLE 218         8         1.92573         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.45139         0.451	0.01647 -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24604 STUDENTS COEF MULT MFAN <u>SQ140555</u> 3.63548 12.62195 	<u>0.32731</u> -0.32159 <u>0.16515</u> -0.54989 <u>-0.35568</u> 0.19301 0.09260 KEY 4 FICIENT OF FIPLE CORR, <u>VALUE</u> 0.2890	2.95947 15.75662 2.33037 10.P4051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT P n.s. CUM OF SO. ADDED 0.0 0.90502	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222 0.00411 0.4976 0.4976
	4.96062 4.13375 5560.18750 2.25000 2.25000 4.237500 4.43750 4.43750 5IZE 1 ENT VARIAE ANAL PCE OF VA31 GRESSION ADDUT REGP MEAN 1.00000 4.96062 4.13375	1.66934 1.25212 44106.75731 1.73205 6226.62100 0.68875 1.77012 2.70724 6 6 6 6 6 6 6 6 6 6 1.177012 2.70724 6 6 1.177012 2.70724 6 1.177012 2.70724 1.77012 2.70724 0.68875 1.77012 2.70724 0.68875 1.77012 2.70724 0.68875 1.77012 2.70724 0.7570 0.68875 1.77012 2.70724 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7570 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.7770 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.77700 0.777000 0.777000 0.7770000000000	1.17567 -1.64509 0.00011 -0.85799 -0.0017 0.97919 0.16027 TA D. 6 ANCE FOR TH P.E. SC R 25 7 89 15 117 P.E.	1.28285 1.83073 0.49257 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 STO.5274	0.0164/ -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24604 STUDENTS COEF MULT MFAN SQ140FC 3.63548 12.62195 C(1940)(TED F. T.VALHE 0.9	0.32731 -0.32159 0.16515 -0.54989 -0.35568 0.19301 0.09260 КЕЧ 4 FICIENT OF FICIENT OF FIPLE CORR, VALUE 0.2880 -0.2880 -0.12146 -0.10824	2.95947 15.75662 2.33037 10.R4051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT P n.s. CUM OF CO. ADDED 0.0 0.90502 0.45327	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222 0.00411 0.2477 0.4976 0.4976
	4.96062 4.13375 5560.18750 2.25000 2.25000 4.237500 4.43750 4.43750 5IZE 1 ENT VARIAE ANAL PCE OF VA31 GRESSION ADDUT REGP MEAN 1.00000 4.96062 4.13375	1.66934 1.25212 44106.75791 1.73205 6226.62109 0.68875 1.77012 2.70724 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	1.17567 -1.64509 0.00017 0.85799 -0.00017 0.97919 0.16027 TA D. 6 ANCE FOR TA P.F. 50 R 25 7 80 15 117 PEG. 1 ()CEF 0.0 0.554111 -0.48594	1.28285 1.83073 0.49257 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 STD. FPPOP OF SEG.CO 3.55274 1.66356 2.38118	0.0164/ -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24604 STUDENTS COEF MUL7 MFAN SQ1120FC 3.63548 12.62195 С(1940)17FD E. Т VALUE 0.9 0.32430 -0.29807	<u>0.32731</u> -0.32159 <u>0.16515</u> -0.54989 <u>-0.35568</u> 0.19301 0.09260 KEY 4 FICIENT OF FIPLE CORR, <u>VALUE</u> 0.2890	2.95947 15.75662 2.33037 10.P4051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT P n.s. CUM OF SO. ADDED 0.0 0.90502	0.02692 0.14332 0.02120 0.09861 0.19857 0.03777 0.0411 0.2477 0.4976
	4.96062 4.13375 5540.18750 2.25000 2.25000 4.237500 4.237500 4.43750 51ZE 1 ENT VARIAE ANAL PCE OF VARI GRESSION ARCUIT REGP MEAN 1.00000 4.96062 4.13375 5540.18750 2.25000	1.66934 1.25212 44106.75731 1.73205 6226.62100 0.68875 1.77012 2.70724 66 8LE IS NOW NO VCIS (15 V10) LINEAR ATION FSUIATION FSUIATION 0.0 1.66934 1.25212 44105.75781 1.73205 6226.62100	1.17567 -1.64509 0.00017 -0.85799 -0.0017 0.97919 0.16027 TA D. 6 AVCE FOR T P.E. 5 SC 8 25 7 80 15 117 -0.4594 0.00025 C.31106 -0.90025	1.28285 1.83073 0.49257 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 STO.5274 1.66356 2.38118 0.0933 0.64966 0.90322	0.0164/ -0.89959 0.44307 -1.74189 -1.00689 0.49251 0.24604 STUDENTS COEF MULT MEAN SQUACES 3.63548 12.62195 C(1940)(TED E. T.VALUE 0.9 0.32430 -0.23807 0.55022 0.49557 -0.27769	0.32731 -0.32159 0.16515 -0.54989 -0.35569 0.19301 0.09260 KEY 4 FICIENT OF TIPLE CORR,	2.95947 15.75662 2.33037 10.84051 21.83037 3.54107 0.45163 DETERMINATION COEFFICIENT P n.s. CUM OF SO. ADDED 0.0 0.90502 0.45327 8.13739 8.59912 6.24222	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222 0.00411 0.0411 0.0411 0.0411 0.0411 0.0411 0.0411 0.00411 0.00386 0.00771 0.00386 0.00386 0.00386
	4.96062 4.13375 5540.18750 2.25000 2.25000 4.237500 4.43750 SIZE 1 ENT VARIAE ANAL PCE OF VARI GRESSION ABOUT REGP MEAN 1.00000 4.96062 4.13375 6540.18750 2.25000	1.66934 1.25212 44106.75791 1.73205 6226.62100 0.68875 1.77012 2.70724 6 6 6 6 6 6 6 6 6 6 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	1.17567 -1.64509 0.00017 -0.85799 -0.00017 0.97919 0.16027 TA D. 6 AVCT THE TH PEG. 1.15 117 PEG. 1.15 117 PEG. 0.0 0.55111 -0.6594 0.0002 0.31100	1.28285 1.83073 0.49257 0.49257 1.82573 0.65139 BLE 218 BLE 218 BLE 218 STO.F2POP 0.09386 1.35364 7.43750 STO.F2POP 0.64356 2.39108 0.64966	0.0164/ -0.89959 0.44307 -1.74189 -1.74189 0.49251 0.24604 STUDENTS COEF MULT MEAN SQHACFS 3.63548 12.62195 C(1940)(TFD E. T.VALUE 0.9 0.32430 -0.23807 0.55022 0.49553	0.32731 -0.32159 0.16515 -0.54989 -0.35569 0.19301 0.09260 КЕУ 4 УГІСІЕНТ ОГ ГІРLЕ CORR, VALUE 0.2880 -0.12146 -0.10924 0.18250	2.95947 15.75662 2.33037 10.84051 21.83037 3.54197 0.45163 DETERMINATION COEFFICIENT P n.s. CUM OF CO. ADDED 0.0 9.90502 0.45327 8.59912	0.02692 0.14332 0.02120 0.09861 0.19857 0.03222 0.00411 0.4976 0.4976

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#### TABLE 219 STUDENTS KEY 4

### SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 5 ANALYSIS OF VAPIANCE FOR THE MULTIPLE

### COEFFICIENT OF DETERMINATION 0, 4056 MULTIPLE CORR. COEFFICIENT 0.6368

LINEAR REGRESSION SOURCE OF VARIATION n.F. SUM DE MEAN Ē р SOUARES SOUARES VALUE DUE TO REGRESSION ..... R 55. R6714 6.98339 0.5970 DEVIATION ABOUT REGRESSION ... n.s. 7 81.88285 11.69.755 TOTAL ...

<u> </u>	DEVIATION	COEFF.	STD.FRRD DF REG.COE.	T VALUE	CORP. CCE.	STIM OF SO.	PROP. VAR. CUM.
•00000 •96062	0.0 <u>1.66834</u>	0.0 0.69690	3.42117	0.43395	-0.0	0.0	0.0
.13375 .18750 4	1.25212	-0.99419 0.00002	2.29232	-0.39008	-7.145R6 0.20323	7.28675	7.05290 0.05561
•25000 •37500	1.73205	0.38746 -0.00007	0.61676	0.62922	0+23102	14.67396	0.10653
• 25062 • 25000	0.68875	0.60511	2.29606 0.81563	0.26470	0.34115	7.69787 10.78489	0.05588
	<u>.96062</u> .13375 .18752 4 .25909 .37599 .25962	<u>.96062</u> 13375 1.25212 18753 44106.75781 .25003 6226.62109 25062 0.68875 .25003 1.77012	<u>.96062</u> 1.3375 1.25212 -0.99419 .18750 .44106.75781 0.00002 .25000 1.73205 0.38746 .37500 .25062 0.68875 0.60511 .25000 1.77012 0.78316	<u>.96062</u> 1.66834 .13375 1.25212 -0.99419 2.29232 .18752 .166630 -0.99419 2.29232 .18752 .166630 0.09003 .25900 1.73205 0.38746 0.61676 .37599 .226.62109 -0.9997 0.9002 .25062 0.68875 0.60511 2.28606 .25909 1.77012 0.78316 0.81563	<u>.96062</u> <u>1.66834</u> <u>1.66836</u> <u>1.66630</u> <u>0.43395</u> <u>1.3375</u> <u>1.25212</u> <u>0.99419</u> <u>2.29232</u> <u>0.39008</u> <u>1.8755</u> <u>44166.75781</u> <u>0.0002</u> <u>0.00003</u> <u>0.56539</u> <u>.25005</u> <u>1.73205</u> <u>0.38746</u> <u>0.61676</u> <u>0.62822</u> <u>.37599</u> <u>6226.62109</u> <u>0.9007</u> <u>0.00022</u> <u>0.33172</u> <u>.25062</u> <u>0.68875</u> <u>0.60511</u> <u>2.28666</u> <u>0.76470</u> <u>.25009</u> <u>1.77012</u> <u>0.78316</u> <u>0.81563</u> <u>0.96020</u>	.00000         0.0         3.42017         0.0         -0.0           .06667         1.66834         0.60690         1.66630         0.43395         0.16182           .13375         1.75212         -0.89419         2.29232         -0.30008         -0.14586           .18755         44106.75781         0.00002         0.00003         0.56539         0.20393           .25000         1.73205         0.38746         0.61676         0.62922         0.23197           .37509         6226.62109         -0.0007         0.00022         -0.33172         -0.12441           .25062         0.68975         0.60511         2.28606         0.76470         0.09355           .25009         1.77012         0.78316         0.81563         0.96020         0.34115	.00000         0.0         3.42017         0.0         -0.0         0.0           .00007         1.66834         0.60600         1.66630         0.43395         0.16182         1.46521           .13375         1.75212         -0.99419         2.29232         -0.39008         -9.14586         7.28675           .18755         44106.75781         0.00002         0.00003         0.56539         0.20393         7.65970           .25000         1.73205         0.38746         0.61676         0.62922         0.23102         14.67396           .37509         6226.62109         -0.9007         0.90022         -0.33172         -0.12441         6.29288           .25062         0.68975         0.60511         2.28606         0.76470         0.99355         7.69787           .25009         1.77012         0.78316         0.81563         0.96320         0.34115         10.78489

137.75000

TABLE 220 STUDENTS KEY 4

MEAN

r

VALUE

0.2331

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 4 COEFFICIENT OF DETERMINATION 0.2103 MULTIPLE CORR. COEFFICIENT 0.4586

p

n.s.

AMALYSIS OF VAPIANCE FOR THE WIN TOLE LINEAS DECORSSION SOURCE OF VARIATION D.F. SUM DE SQUARES

SOUARES DUF TO REGRESSION ..... 8 27.85585 3.48199 DEVIATION ABOUT REGRESSION ... 7 104.58165 14.94024 TOTAL ... 15 132.43750

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VAPIABLE NO.	MFAN	STO. DEVIATION	REG. COEFF.	STO.FPROP DE REG.COE.	COMPLITED T. VALUE	PAPTIAL	SUM OF SQ.	PPOP. VAR
1 7	1.00000	0.0	0.37589	3.96526	0.0	-0.0	0.0	0.0
. <u>.</u> 9	4.13375 <u>16540.18750</u>	1.25212 44106.75791	-0.45103 0.00001	2.59064	-0.17410	-0.06566	1.08362	0.01422
10 11	2.25000 1697.37500	1.73205 6226.62109 .	0.29784	0.09702	0.42730	0.15944	1.36882	0.01034
12 <u>13</u>	2.25062	0.68875	1.40123	2.59356	0.54735	0.20082	6.52008	0.04923
4	2.81250	2.97139						

TABLE 221 STUDENTS

**KEY 4** 

SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW 1	NO. 3	·	COEFFICIENT OF DETERMINATION 0. MULTIPLE CORR. COEFFICIENT 0.				
ANALYSIS OF VAR	PEGRES	OP THE MULTIPLE				·	
SOURCE OF VARIATION	∩.F.	SUM OF SQUARES	VEAN SOUARES		р		
DUE TO REGRESSION	я 7	0.56199 1.29739	0.07025	0.3790	n,s.		
τητλ <u>ι</u>	15	1.85937					

VARTARLE	ሻF	STD. DEVIATION	PEG. COEFF.	STD.FRRMP	COMPLITED T. VALUE	PAPTIAL	STIN OF SO.	PROP. VAR.
1	1.00007	0.0	0.0	0.4305L	0.0	-0.0	0.0	0.0
8 9	4.13375 16540.18750	1.25212	-0.12132	0.29955	-0.42045	-0.15694	0.18276	0.09829
10 <u>1</u> 1	2.25000	1.73205	0.00429	0.07767	0.05523	0.17816	0.00821	0.00442
12	2.25062	0.68975	n.25570 0.05351	0.29776	0.99958	0.19329	0.30570	0.16441
3	0.15625	0.35208						<u></u>

# TABLE 222 STUDENTS KEY 4

# SAMPLE SIZE 16 DEPENDENT VARIABLE IS NOW NO. 2 ANALYSIS OF VARIANCE FOR THE MULTIPLE

# COEFFICIENT OF DETERMINATION0.5649MULTIPLE CORR. COEFFICIENT0.7516

L INEAP	REGRES	SICN				
SUINCE OF VANIATION	D.F.	SIIM DE	NEAN	¢.		
		SOUARES	SOUARES	VALUE	P	
NUE TO PEGPESSION	Ŗ	5.11791	0.63974	1.1360		
DEVIATION_ABOUT_PEGRESSION	7	3.94214	0.56316		n.s.	
TOTAL	15	9.06006				

VAP1 ARLE	MC V M	<u>ڊ</u> ٣٩.	PFG.	STO PPOR	CUNNELLEU	PARTIAL	SITH UL 20.	PPOP. VAR.
<u>NO.</u>		DEVIATION	COEFF.	OF PEG.COF.	T VALUE	CORP. COR.	ADDED	CUM.
1	1.00000	0.0	0.0	0.75044	·0.0	-0.0	0.0	0.0
7	4.96062	1.66934	0.19258	0.35245	0.54640	0.20225	0_01286	9,00142
ค	4.13375	1.25212	-0.27538	0.40207	-0.54750	-0.20264	1.61498	2. 7825
<u>q</u>	16540.13750	44106.75781	-0.00001	0-00001	-0.99580	-0.35225	0.13953	0.01540
10	2.25000	1.73205	-0.04212	0.13533	-0.31122	-0.11593	0.43752	0.04829
11	1697.37500	6226.62109	0.00005	0.00005	1.12421	0.39107	0.09866	0.01089
12	2.25062	0.62875	0.74251	0.50160	1.49028	0.49927	0.15179	0.91675
	1.25000	1.77012	-0.38913	0.17896	-2.17437	-0.63493	2.66258	0.29388
2	4.56375	0.77718						مغنية الباليج مستحصي ومستع

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