

IOWA STATE UNIVERSITY

MCNAIR PROGRAM

Small- Scale farmers' livelihood in Uganda: Egg Production for Rural Development

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Outline

- Background
- Research Questions
- Methods
- Discussion
- References



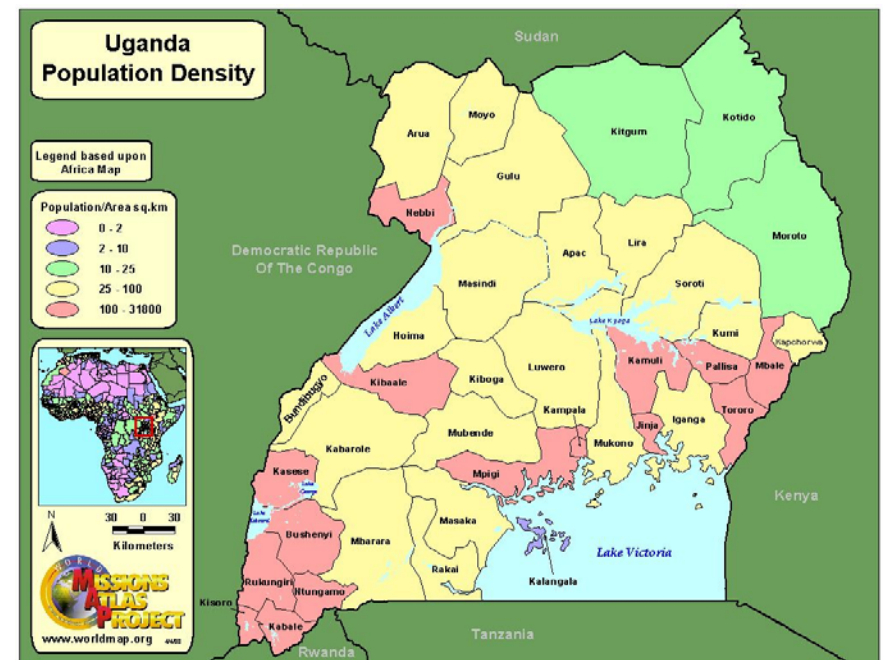
Background

- Uganda
 - Poverty rate in 1992 was 56% reduced to 24.5% in 2009.
 - Population suffering most of poverty live in rural areas, about 82% Ugandans
 - In the rural areas those who are the most poor are smallholder farmers



Background

- Kamuli
 - One of the poorest districts in Uganda
 - High Population Density
 - 80% of people work in commercial or subsistence farming.



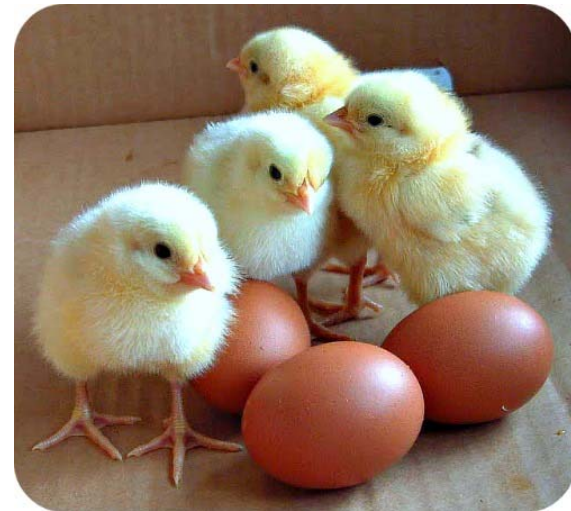
Methods

- Surveyed farmers of various villages within the Kamuli District
- Sample of 60 egg producing farmers in Kamuli District
- Examined management, production, and marketing practices



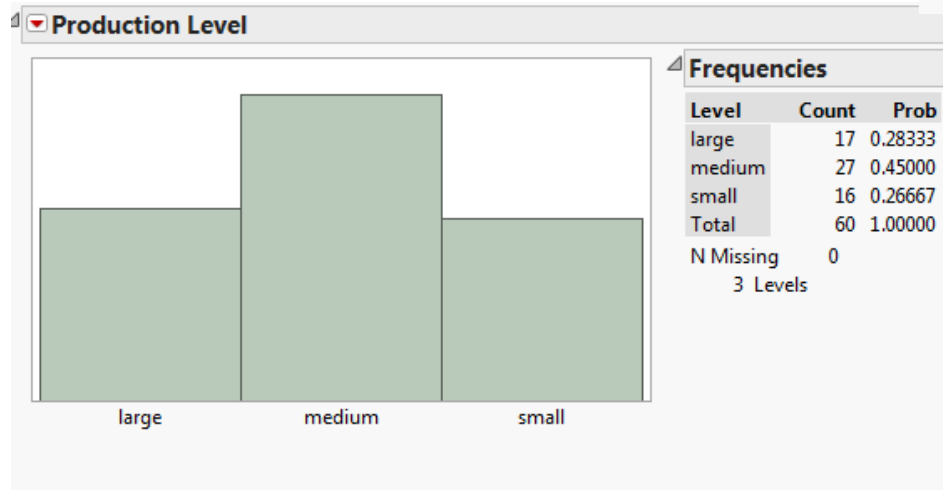
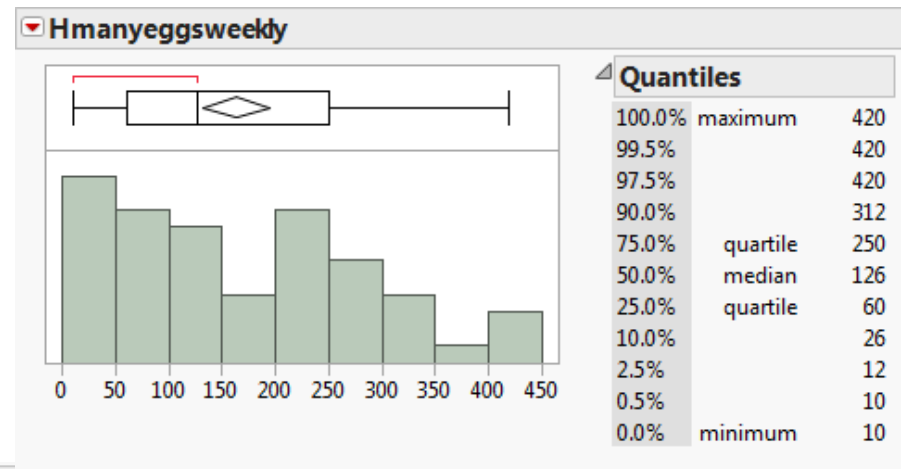
Research Questions

- What practices for egg production are used in the Kamuli District?
 - Management
 - Animal Feed
 - Health Practices
- What marketing practices by egg producers are used in the Kamuli District?
 - Consumers
 - Location of Sale



Production Levels

- Categorized by weekly egg production level
 - Small: 0-60 eggs
 - Medium: 61-250 eggs
 - Large: > 250 eggs



What practices for egg production are used in the Kamuli District?

Mangement Practices

Who heads farm?	Small	Medium	Large
All family members	31%	44%	53%
Men (only)	6%	19%	18%
Women (only)	57%	26%	18%
Children (only)	0%	0%	0%
Adults (men/women)	6%	11%	2%
Total	100%	100%	100%

Management – Animal Feed

What feed is provided?	Small	Medium	Large
100% Commercial Feed	19%	41%	41%
100% Free-Range	25%	7%	0%
Partially Supplemented	56%	48%	59%
Total	100%	100%	100%

- Those who Partially Supplemented, mixed own feed
 - Large: 88%
 - Medium: 77%
 - Small: 75%

Management – Health Practices

What health practices are being used?	Small	Medium	Large
Vaccination	100%	100%	100%
Antibiotics	38%	41%	41%
Biosecurity Measures	38%	48%	41%

- 7% of Farmers used local herbs implemented in water to prevents illnesses

What marketing practices are used?

Marketing – Location of Sale

Where do you sell your eggs?	Small	Medium	Large
Local Market	25%	22%	41%
From Home	69%	74%	53%
Both	6%	4%	6%
Total	100%	100%	100%

Marketing – Consumers

Who do you sell your eggs to	Small	Medium	Large
Local Individuals	63%	81%	82%
Wholesale Buyer	31%	19%	18%
Both	6%	0%	0%
Total	100%	100%	100%

- Average amount of people purchasing eggs
 - Small: ≈ 3
 - Medium: ≈ 3
 - Large: ≈ 4

Marketing – Additional Practices

Production Level	Trade/Barter implemented	Average Income per week (UGN shilling)	Promotion of Sale
Small	0%	12, 413 (\$4.17)	25%
Medium	11%	33, 830 (\$11.38)	44%
Large	5%	793,688 (\$266.88)	29%

Discussion

- Limitations
 - Not Generalizable
 - Language barrier: rural village jargon
 - Using list of egg producers provided by local Non-Governmental Organization (NGO)
- Why is it important?
 - Understanding the challenges and limitations rural farmers are facing
 - Learning which types of management and production practices are being used.

Recommendations

- Replicating same study to review farmers of all backgrounds
- Evaluating the needs of small farmers to aid production
- Natural Additives in water preventing illness

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Thank You

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