

Codebook: RMVC Farmer Endline Survey

Study Information

Title: When milk quality pays: Evidence from an incentive experiment in Uganda

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Organization: International Food Policy Research Institute (IFPRI)

Location: Kazo region, Uganda

Study Description: This dataset comes from the endline survey of dairy farmers in a randomized controlled trial examining how quality measurement and price incentives affect milk production standards in smallholder dairy value chains. The intervention made milk quality visible to market participants through milk analyzers at Milk Collection Centers (MCCs) and implemented price incentive mechanisms. Farmers were interviewed about their milk production, sales to traders, quality testing experiences, and feeding practices.

Reference: <https://www.ifpri.org/blog/when-milk-quality-pays-evidence-from-an-incentive-experiment-in-uganda/>

Sample: 422 dairy farmers associated with milk traders and Milk Collection Centers

Variable Dictionary

Variable	Label	Type	Values
farmer_ID	Farmer ID (anonymized)	String	417 unique values
trader_ID	Trader ID (anonymized)	String	97 unique values
MCC_ID	Milk Collection Center ID (anonymized)	String	19 unique values
today	Date of survey	String	7 unique values
district	District	String	Kazo, Kiruhura
farmer_tot_prod	What was total milk production yesterday? (liters)	Numeric	6 to 470
farmer_tot_sold	How much of yesterday's production was sold? (liters)	Numeric	0 to 450
farmer_tot_sold_trader	How much of yesterday's production was sold to the trader? (liters)	Numeric	0 to 450

Variable	Label	Type	Values
farmer_trader_link	How long have you been selling to this trader?	Categorical	1=Only started selling yesterday; 2=Started selling in the last two weeks; 3=Started selling in the last month; 4=Started selling in the last year; 5=Started selling in the last five years; 6=Started selling more than five years ago; 99=Other/Don't know
farmer_rejected_week	Times milk rejected by trader in the last week	Numeric	0 to 2
farmer_rejected_month	Times milk rejected by trader in the last month	Numeric	0 to 3
farmer_bett_prc	Did the trader pay a better price for better quality milk in the last week?	Categorical	1=Yes; 2=No
farmer_used_bran	Did you use feed supplements such as maize bran in the last week?	Categorical	1=Yes; 2=No
farmer_used_residu	Did you use crop residues as feeding in the last week?	Categorical	1=Yes; 2=No
farmer_used_lick	Did you use mineral licks in the last week?	Categorical	1=Yes; 2=No
farmer_used_cgazing	Did you use controlled grazing in the last week?	Categorical	1=Yes; 2=No
treat	Treatment assignment (RCT)	Categorical	0=Control; 1=Treatment
q_sold_1	Quantity sold to trader in transaction 1 (liters)	Numeric	6 to 450
q_sold_2	Quantity sold to trader in transaction 2 (liters)	Numeric	6 to 950
q_sold_3	Quantity sold to trader in transaction 3 (liters)	Numeric	6 to 450
q_sold_4	Quantity sold to trader in transaction 4 (liters)	Numeric	10 to 179
q_sold_5	Quantity sold to trader in transaction 5 (liters)	Numeric	10 to 180
q_sold_6	Quantity sold to trader in transaction 6 (liters)	Numeric	10 to 185

Variable	Label	Type	Values
checked_1	Was milk quality checked in transaction 1?	Categorical	1=Yes; 2=No
checked_2	Was milk quality checked in transaction 2?	Categorical	1=Yes; 2=No
checked_3	Was milk quality checked in transaction 3?	Categorical	1=Yes; 2=No
checked_4	Was milk quality checked in transaction 4?	Categorical	1=Yes; 2=No
checked_5	Was milk quality checked in transaction 5?	Categorical	1=Yes; 2=No
checked_6	Was milk quality checked in transaction 6?	Categorical	1=Yes; 2=No
checked_how_1	How was milk quality checked in transaction 1?	String	Lactometer, Lactometer Alcohol Lactoscan, Lactometer Alcohol, Lactometer Lactoscan Alcohol
checked_how_2	How was milk quality checked in transaction 2?	String	Lactometer, Lactometer Alcohol Lactoscan, Lactometer Alcohol, Alcohol Lactoscan
checked_how_3	How was milk quality checked in transaction 3?	String	Lactometer, Lactometer Alcohol, Lactometer Alcohol Lactoscan
checked_how_4	How was milk quality checked in transaction 4?	String	Lactometer
checked_how_5	How was milk quality checked in transaction 5?	String	Lactometer
checked_how_6	How was milk quality checked in transaction 6?	String	Lactometer
p_sold_1	Price received per liter in transaction 1 (UGX)	Numeric	800 to 1100
p_sold_2	Price received per liter in transaction 2 (UGX)	Numeric	800 to 1100
p_sold_3	Price received per liter in transaction 3 (UGX)	Numeric	800 to 1100
p_sold_4	Price received per liter in transaction 4 (UGX)	Numeric	850 to 950

Variable	Label	Type	Values
p_sold_5	Price received per liter in transaction 5 (UGX)	Numeric	800 to 1000
p_sold_6	Price received per liter in transaction 6 (UGX)	Numeric	850 to 1000

Value Labels Reference

Treatment Status (treat)

Code	Label
0	Control
1	Treatment

Yes/No Variables (farmer_bett_prc, farmer_used_bran, farmer_used_residu, farmer_used_lick, farmer_used_cgazing, checked_1 to checked_6)

Code	Label
1	Yes
2	No

Trader Relationship Duration (farmer_trader_link)

Code	Label
1	Only started selling to this trader yesterday
2	Started selling in the last two weeks
3	Started selling in the last month
4	Started selling in the last year
5	Started selling in the last five years
6	Started selling more than five years ago
99	Other/Don't know

Quality Testing Method (checked_how_1 to checked_how_6)

These are select-multiple variables stored as space-separated labels:

Value	Description
Lactometer	Tested using lactometer
Alcohol	Tested using alcohol test
Lactoscan	Tested using Lactoscan milk analyzer
Other	Other testing method

Notes

- NA values indicate missing data (question not asked due to skip logic, or respondent did not answer)
- Transactions 1-6 refer to the last 3-6 sales the farmer made to the trader, starting with the most recent
- Prices are in Ugandan Shillings (UGX) per liter
- Quantities are in liters
- **checked_how** variables contain space-separated values when multiple testing methods were used (e.g., “Lactometer Alcohol Lactoscan”)