

Codebook: RMVC Trader 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 milk traders 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.

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

Sample: 99 milk traders associated with 19 Milk Collection Centers

Variable Dictionary

Variable	Label	Type	Values
trader_ID	Trader ID (anonymized)	String	98 unique values
MCC_ID	Milk Collection Center ID (anonymized)	String	19 unique values
trader_transporter	Are you a trader or a transporter?	String	Trader, Both
self	Who usually collects milk from farmers?	Categorical	1=I do everything myself; 2=I collect some but also have employees; 3=I do not pick milk myself, employees do
nr_employed	How many transporters work for you?	Numeric	1 to 3
transport_bodaboda	Transport used: Boda boda (motorcycle)	Categorical	0=No; 1=Yes
transport_tuktuk	Transport used: Tuk tuk/tri-cycle	Categorical	0=No; 1=Yes
transport_bicycle	Transport used: Bicycle	Categorical	0=No; 1=Yes
transport_car	Transport used: Car/pickup/truck	Categorical	0=No; 1=Yes
transport_other	Transport used: Other	Categorical	0=No; 1=Yes
delivered_quantity	How much milk in liters did you deliver yesterday?	Numeric	80 to 1100
deliver_source	From how many farmers did you collect milk yesterday?	Numeric	2 to 64

Variable	Label	Type	Values
deliver_other_mcc	Do you deliver to other MCCs besides this one?	Categorical	1=Yes; 2=No
delivered_quantity_othersmcc	How much milk was delivered to other MCCs?	Numeric	20 to 1000
supervised_testing	Did enumerator observe milk analyzer testing?	Categorical	1=Yes; 2=No
Fat_supervised	Fat percentage (supervised test)	Numeric	3.2 to 5.1
SNF_supervised	SNF percentage (supervised test)	Numeric	7.9 to 8.9
quantity_supervised	Quantity tested (supervised test, liters)	Numeric	10 to 648
rejected_week	Liters of milk rejected in the last week	Numeric	0 to 210
rejected_month	Liters of milk rejected in the last month	Numeric	0 to 300
use_lacto	Did you use a lactometer to test milk freshness?	Categorical	1=Yes, always; 2=No, never; 3=Sometimes
lact_min	Minimum lactometer reading you accept	Numeric	24 to 28
use_alcohol	Did you test freshness using alcohol test?	Categorical	1=Yes, always; 2=No, never; 3=Sometimes
pay_premim	Did you pay farmers a premium for better quality?	Categorical	1=Yes, always; 2=No, never; 3=Sometimes
premium	Premium amount paid (UGX per liter)	Numeric	10 to 100
note_thks	Survey completion notes	logical	-
treat	Treatment assignment (RCT)	Categorical	0=Control; 1=Treatment
purchase_q_1	Quantity purchased from farmer 1 (liters)	Numeric	5 to 220
purchase_q_2	Quantity purchased from farmer 2 (liters)	Numeric	3 to 380
purchase_q_3	Quantity purchased from farmer 3 (liters)	Numeric	5 to 250
purchase_q_4	Quantity purchased from farmer 4 (liters)	Numeric	5 to 701
purchase_q_5	Quantity purchased from farmer 5 (liters)	Numeric	2 to 200
purchase_q_6	Quantity purchased from farmer 6 (liters)	Numeric	50 to 50
puurchase_price_1	Price paid to farmer 1 (UGX per liter)	Numeric	700 to 1000
puurchase_price_2	Price paid to farmer 2 (UGX per liter)	Numeric	700 to 1000

Variable	Label	Type	Values
puarchase_price_3	Price paid to farmer 3 (UGX per liter)	Numeric	700 to 1000
puarchase_price_4	Price paid to farmer 4 (UGX per liter)	Numeric	700 to 1000
puarchase_price_5	Price paid to farmer 5 (UGX per liter)	Numeric	700 to 1000
puarchase_price_6	Price paid to farmer 6 (UGX per liter)	Numeric	950 to 950
farmer_link_1	Duration of relationship with farmer 1	Categorical	1=Started yesterday; 2=Started in the last week; 3=Started in the last month; 4=Started in the last year; 5=Started in the last 5 years; 6=More than 5 years ago; 96=Other/Don't know
farmer_link_2	Duration of relationship with farmer 2	Categorical	1=Started yesterday; 2=Started in the last week; 3=Started in the last month; 4=Started in the last year; 5=Started in the last 5 years; 6=More than 5 years ago; 96=Other/Don't know
farmer_link_3	Duration of relationship with farmer 3	Categorical	1=Started yesterday; 2=Started in the last week; 3=Started in the last month; 4=Started in the last year; 5=Started in the last 5 years; 6=More than 5 years ago; 96=Other/Don't know
farmer_link_4	Duration of relationship with farmer 4	Categorical	1=Started yesterday; 2=Started in the last week; 3=Started in the last month; 4=Started in the last year; 5=Started in the last 5 years; 6=More than 5 years ago; 96=Other/Don't know
farmer_link_5	Duration of relationship with farmer 5	Categorical	1=Started yesterday; 2=Started in the last week; 3=Started in the last month; 4=Started in the last year; 5=Started in the last 5 years; 6=More than 5 years ago; 96=Other/Don't know

Variable	Label	Type	Values
farmer_link_6	Duration of relationship with farmer 6	Categorical	1=Started yesterday; 2=Started in the last week; 3=Started in the last month; 4=Started in the last year; 5=Started in the last 5 years; 6=More than 5 years ago; 96=Other/Don't know

Value Labels Reference

Treatment Status (`treat`)

Code	Label
0	Control
1	Treatment

Yes/No Variables (`deliver_other_mcc`, `supervised_testing`)

Code	Label
1	Yes
2	No

Frequency Variables (`use_lacto`, `use_alcohol`, `pay_premim`)

Code	Label
1	Yes, always
2	No, never
3	Sometimes

Self Collection (`self`)

Code	Label
1	I do everything myself
2	I collect some but also have employees
3	I do not pick milk myself, employees do

Farmer Relationship Duration (`farmer_link_1` to `farmer_link_6`)

Code	Label
1	Only started buying from this farmer yesterday
2	Started buying in the last week
3	Started buying in the last month

Code	Label
4	Started buying in the last year
5	Started buying in the last 5 years
6	Started buying more than 5 years ago
96	Other/Don't know

Transport Methods (`transport_*`)

Code	Label
0	No
1	Yes

Notes

- NA values indicate missing data (question not asked due to skip logic, or respondent did not answer)
- Prices are in Ugandan Shillings (UGX) per liter
- Quantities are in liters
- Fat and SNF (Solids-Not-Fat) percentages from milk analyzer testing
- Lactometer readings indicate milk density (proxy for adulteration detection)