

# Smallholder Dairy Commercialization Programme, IFAD Impact Assessment Surveys 2017

**International Fund for Agricultural Development, International Livestock Research  
Institute, Research Solutions Africa, American Institutes for Research**

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## Identification

### SURVEY ID NUMBER

KEN\_2017\_SDCP-IIAS\_v01\_M\_v01\_A\_OCS

### TITLE

Smallholder Dairy Commercialization Programme, IFAD Impact Assessment Surveys 2017

### COUNTRY/ECONOMY

Name	Country code
Kenya	KEN

### STUDY TYPE

Agricultural Survey [ag/oth]

### ABSTRACT

The Smallholder Dairy Commercialization Programme (SDCP) was designed to address constraints in the smallholders' milk sector in Kenya by increasing smallholders' production, productivity and participation in milk markets. It pursued these objectives by training dairy groups, offering technical support for household dairy production and developing milk-marketing chains.

SDCP provided training to dairy farmers to build their enterprise, managerial and organisational skills. Aside from training, the programme also aimed to enhance dairy farming productivity and reduce production costs through demonstration, field days and grants. To strengthen market linkages, SDCP invested in improving road infrastructure and conducted additional training on milk-handling practices and value-added opportunities.

The programme identified three main areas where barriers to improving dairy income potentially operate: dairy group activities, household production and market intermediaries. Programme designers hypothesised that increasing net dairy income for smallholder farmers can occur through four primary contextual factors (1) increasing milk production; (2) increasing milk prices; (3) decreasing the costs of producing milk; and (4) decreasing the transaction costs of participation in input and output markets. They assumed that increased net income will lead to improved food security and increased participation by women and marginalised communities.

For more information, please click on the following link

<https://www.ifad.org/en/web/knowledge/-/publication/impact-assessment-participatory-small-scale-irrigation-development-programme> .

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Households

## Scope

### NOTES

The subjects covered by the survey are the following:

- Socio-demographic characteristics
- Harvest
- Livestock and cattle
- Access to, and use of, livestock related technologies and inputs
- Feeding and water
- Other services
- Membership of groups
- Milk production and sale-milk
- Milking practices
- Sources of income
- Household dietary diversity and food consumption score.

## Coverage

### GEOGRAPHIC COVERAGE

Districts/counties in the western region of Kenya.

### UNIVERSE

Smallholder dairy farmers

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
International Fund for Agricultural Development	United Nations
International Livestock Research Institute	ILRI
Research Solutions Africa	Research Solutions Africa
American Institutes for Research	AIR

### FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
International Fund for Agricultural Development	IFAD	Funding
Government of Kenya	GoK	Funding

## Sampling

### SAMPLING PROCEDURE

The estimation of the project's impact was based on a comprehensive quantitative and qualitative survey. Eight study divisions were identified as valid controls, 95 treatment and 89 control dairy groups were chosen, and 1,297 beneficiary and 1,265 comparison dairy farmers were interviewed.

### WEIGHTING

No weighting.

## data\_collection

### DATES OF DATA COLLECTION

Start	End
2017-02-27	2017-03-10

### DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

## questionnaires

### QUESTIONNAIRES

The questionnaire was designed to collect detailed data about milk production, cost, and sales to generate information on net milk income and milk sales, which are two primary outcomes of interest to assess project impact. The project also aimed to reduce seasonality of milk production, so that net incomes would be higher and less variable throughout the year. Thus,

the questionnaire also collected data on practices, such as second-season fodder grass production, associated with less pronounced seasonality in milk production. While a full-scale consumption module was not included, a module to capture dietary diversity was. The questionnaire also included sections to recover information on the most important control variables at the household level, in order to improve precision of estimating project impact. These included basic household demographics and wealth variables; landholdings; and access to extension and other sources of information, density of social networks, etc.

Importantly, a dairy group questionnaire was also designed. The functioning of dairy groups (i.e., structure, conduct, and performance) is likely to have a strong impact on the ability of households to benefit from project activities, many of which were carried out through the dairy group leadership. Indicators of dairy group performance can serve as controls and can also provide valuable additional insights to feed into future project designs. The dairy group questionnaire also included a module on the history of presence of other development projects in addition to SDCP, which could prove to be useful control information, as well as basic information on community characteristics.

Note: some variables may have missing labels. Please, refer to the questionnaire for more details.

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- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
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## Metadata production

### DDI DOCUMENT ID

DDI\_KEN\_2017\_SDCP-IIAS\_v01\_M\_v01\_A\_OCS

### PRODUCERS

Name	Abbreviation	Affiliation	Role
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Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata producer
Development Economics Data Group	DECDG	The World Bank	Metadata adapted for World Bank Microdata Library

DATE OF METADATA PRODUCTION  
2023-02-17

#### DDI DOCUMENT VERSION

Version 01 (February 2023): This metadata was downloaded from the FAO website (<https://microdata.fao.org/index.php/catalog>) and it is identical to FAO version (KEN\_2017\_SDCP-IIAS\_v01\_EN\_M\_v01\_A\_OCS). The following two metadata fields were edited - Document ID and Survey ID.

**data\_dictionary**

<b>Data file</b>	<b>Cases</b>	<b>variables</b>
<b>anon_analysis_11</b>	0	464
<b>anon_hhroster_11</b>	0	30



**Data file: anon\_analysis\_11**

Cases:	0
variables:	464

**variables**

ID	Name	Label	Question
V1	country		
V2	hhid	SbjNum	
V3	Category	Treatment or control	
V4	county	County	
V5	division	Division	
V6	mlanguage_1	Main language of respondent: Kiswahili	
V7	mlanguage_2	Main language of respondent: English	
V8	mlanguage_3	Main language of respondent: Luhya	
V9	mlanguage_4	Main language of respondent: Kalenjin	
V10	mlanguage_5	Main language of respondent: Kikuyu	
V11	mlanguage_6	Main language of respondent: Other	
V12	hh_size	Household size	
V13	nworkage	Number of people in the working age group (14-64)	
V14	age05	Number of Children under the age of 5	
V15	hh_age	Age of household head	
V16	hh_female	Female head of the household	
V17	total_land	Total size of landholdings in acres	
V18	ln_total_land	Natural log of total size of landholdings	
V19	l_slope_plot_1	Slope of the plot: flat	
V20	l_slope_plot_2	Slope of the plot: slight slope	
V21	l_slope_plot_3	Slope of the plot: moderate slope	
V22	l_slope_plot_4	Slope of the plot: slope of the plot: steep or hilly	
V23	irrigation	Irrigation is available	
V24	landholdings_title	Total size of landholdings in acres purchased with title	
V25	nlocal_breed_owned	Number of local breed cattle owned	
V26	n_cows_local_breed_owned	Number of local breed cows owned	
V27	nexotic_breed_owned	Number of exotic breed cattle owned	
V28	n_cows_exotic_breed_owned	Number of exotic breed cows owned	
V29	ncrossed_breed_owned	Number of crossed breed cattle owned	
V30	n_cows_crossed_breed_owned	Number of crossed breed cows owned	
V31	n_cattle_sec4	Total number of cattle owned	
V32	n_cows_sec4	Total number of cows owned	
V33	female_cmoney	Female controls money from the sale of cattle	
V34	Q5_1	Households keep regular monitoring of their cattle (breeding/vaccination)	
V35	Q5_2A_1	Technology for [own bull service] is available	
V36	Q5_2C_1	Farmers used: Own Bull Service in the last 12 months	
V37	Q5_2D_1_2	Household female decides Other Bull Service provider to use	
V38	Q5_2A_2	Technology for [other bull service] is available	



ID	Name	Label	Question
V39	Q5_2C_2	Farmers used: Other Bull Service in the last 12 months	
V40	Q5_2D_2_2	Household female decides Own Bull Service provider to use	
V41	Q5_2A_3	Technology for [AI service] is available	
V42	Q5_2C_3	Farmers used: AI Service in the last 12 months	
V43	f_male_decide_breedservices	Fraction of decisions regarding breeding services made by male	
V44	f_female_decide_breedservices	Fraction of decisions regarding breeding services made by female	
V45	f_jointly_decide_breedservices	Fraction of decisions regarding breeding services made by jointly	
V46	Q5_2D_3_2	Household female decides AI Service provider to use	
V47	animal_healthservice_1	Households have access to anthelmintics (deworming) animal health service	
V48	animal_healthservice_2	Households have access to tick control animal health service	
V49	animal_healthservice_3	Households have access to vaccination animal health service	
V50	animal_healthservice_4	Households have access to curative treatment animal health service	
V51	animal_healthservice_5	Households do not have access to any animal health services	
V52	used_Q5_3C_1_2	Household used anthelmintics (deworming) animal health service	
V53	Q5_3E_1_4_2	Household female decides animal health service [Anthelmintics (deworming)] to use	
V54	used_Q5_3C_2_2	Household used tick control animal health service	
V55	Q5_3E_2_4_2	Household female decides animal health service [Tick Control ] to use	
V56	used_Q5_3C_3_2	Household used vaccination animal health service	
V57	Q5_3E_3_4_2	Household female decides animal health service [Vaccination] to use	
V58	used_Q5_3C_4_2	Household used curative treatment animal health service	
V59	Q5_3E_4_4_2	Household female decides animal health service [Curative Treatment] to use	
V60	system_keepingcattle_4	Zero grazing	
V61	bomafloor_concrete	Paddock/boma/stall floor is concrete	
V62	bomafloor_con_stone	Paddock/boma/stall floor is concrete/stone	
V63	feed_cropresidues	Households feed cattle crop residues	
V64	concentrate_feeds	Feeding cattle concentrate feeds, by-products, and mineral supplements	
V65	concentratefeeds_animaltype_1	Feed all animals with concentrate feeds/by-products/mineral supplements	
V66	concentratefeeds_animaltype_2	Feed cows only with concentrate feeds/by-products/mineral supplements	
V67	concentratefeeds_animaltype_3	Feed only lactating cows with concentrate feeds/by-products/mineral supplements	
V68	concentratefeeds_animaltype_4	Feed calves only with concentrate feeds/by-products/mineral supplements	
V69	concentratefeeds_animaltype_5	Feed other animals with concentrate feeds/by-products/mineral supplements	
V70	vary_feeding	Households vary feeding depending on stage of lactation	
V71	c_wateravailable_1	Water was available for cattle throughout the day yesterday	
V72	c_wateravailable_2	Water is available for cattle throughout the year	
V73	Q5_4_9	Farmers experiencing shortage of feeds from their farm	
V74	Q5_4_11_1	Cost of non-household labour in the last 7 days (in KES)	
V75	Q5_4_11_2	Cost of purchased fodder in the last 7 days (in KES)	
V76	Q5_4_11_3	Cost of growing fodder in the last 7 days (in KES)	
V77	Q5_4_11_4	Cost of purchased crop residues in the last 7 days (in KES)	
V78	Q5_4_11_5	Cost of concentrate feeds and by products in the last 7 days (in KES)	
V79	Q5_4_11_6	Cost of mineral supplements in the last 7 days (in KES)	

ID	Name	Label	Question
V80	Q5_4_11_7	Cost of water in the last 7 days (in KES)	
V81	Q5_4_11_8	Cost of marketing in the last 7 days (in KES)	
V82	Q5_4_11_9	Cost of transporting milk in the last 7 days (in KES)	
V83	Q5_4_11_10	Cost of transporting inputs in the last 7 days (in KES)	
V84	Q5_4_12_1	Cost of [Own Bull Service](in KES)	
V85	Q5_4_12_2	Cost of [Other Bull Service](in KES)	
V86	Q5_4_12_3	Cost of [AI](in KES)	
V87	Q5_4_12_4	Cost of animal health services--government veterinarian/AHA (in KES)	
V88	Q5_4_12_5	Cost of animal health services--cooperative veterinarian (in KES)	
V89	Q5_4_12_6	Cost of animal health services--SDCP veterinarian (in KES)	
V90	Q5_4_12_7	Cost of animal health services--private veterinarian/AHA (in KES)	
V91	Q5_4_12_8	Cost of animal health services--traditional herbalists (in KES)	
V92	Q5_4_12_9	Cost of animal health services--neighbour (in KES)	
V93	Q5_4_12_10	Cost of [Vaccinations](in KES)	
V94	Q5_4_12_11	Cost of [Tick control](in KES)	
V95	Q5_4_12_12	Cost of [De-worming (Anthelmintics)](in KES)	
V96	Q5_4_12_13	Cost of [Curative Treatment](in KES)	
V97	anybreeding_available	Technology for breeding service is available	
V98	used_anybreeding		
V99	female_decide_anytech	Household female decide on at least one breeding services to use	
V100	any_animal_healthservice	Households have access to at least one animal health service	
V101	used_any_animalhs	Household used at least one animal health service	
V102	female_decide_anyanimals	Household female decide on at least one animal health services to use	
V103	f_male_decide_animalservices	Fraction of decisions regarding animal health services made by male	
V104	f_female_decide_animalservices	Fraction of decisions regarding animal health services made by female	
V105	nanimalservices_from4567	% of HH in a village who accessed animal health services from: 4, 5, 6, or 7	
V106	p_protein_fodder	Purchases protein-rich fodder	
V107	feed_cropresidues_lc	Households feed local cattle crop residues	
V108	feed_cropresidues_ex	Households feed cross/exotic cattle crop residues	
V109	concentrate_feeds_lc	Feeding local cattle concentrate feeds, by-products, and mineral supplements	
V110	concentrate_feeds_ex	Feeding cross/exotic cattle concentrate feeds, by-products, and mineral suppleme	
V111	request_extvisit_2	Household female requested extension visit	
V112	request_fieldvisit_2	Household female requested field visit	
V113	request_otherdemo_2	Household female requested other demenstrations visit	
V114	cattle_ext_available	Cattle extension visits are available	
V115	cattle_fd_available	Cattle field days are available	
V116	cattle_demo_available	Cattle demonstrations are available	
V117	n_anyextension_available	Proportion of HH in a village who said: extension services are available	
V118	female_requested_anyext	Household female decide on at least one animal health services to use	
V119	informed_training_1	Informed about: Livestock best practices	
V120	informed_training_2	Informed about: Improved Fermentation of Milk best practices	
V121	informed_training_3	Informed about: Other milk processing and quality control best practices	
V122	informed_training_4	Informed about: Cattle best practices	

ID	Name	Label	Question
V123	informed_training_5	Informed about: Crop best practices	
V124	informed_training_6	Informed about: Organisational, managerial, bookkeeping, accounting, and fin	
V125	informed_training_7	Informed about: Fodder Establishment	
V126	informed_training_8	Informed about: Hay Making	
V127	informed_training_9	Informed about: Silage Making	
V128	informed_training_10	Informed about: Use of chaff cutter	
V129	informed_training_11	Informed about: Conservation (crop residues)	
V130	informed_training_12	Informed about: Animal registration	
V131	informed_training_13	Informed about: Fresh milk marketing	
V132	informed_training_14	Informed about: Value addition marketing (e.g., mala, yoghurt)	
V133	informed_training_15	Informed about: Group/Cooperative Milk Marketing	
V134	informed_training_16	Informed about: Market Information Searching	
V135	ntrainattend_1	Number of Livestock best practices attended	
V136	ntrainattend_2	Number of Improved Fermentation of Milk best practices attended	
V137	ntrainattend_3	Number of Other milk processing and quality control best practices attended	
V138	ntrainattend_4	Number of Cattle best practices attended	
V139	ntrainattend_5	Number of Crop best practices attended	
V140	ntrainattend_6	Number of Organisational, managerial, bookkeeping, accounting, and fin attended	
V141	ntrainattend_7	Number of Fodder Establishment attended	
V142	ntrainattend_8	Number of Hay Making attended	
V143	ntrainattend_9	Number of Silage Making attended	
V144	ntrainattend_10	Number of Use of chaff cutter attended	
V145	ntrainattend_11	Number of Conservation (crop residues) attended	
V146	ntrainattend_12	Number of Animal registration attended	
V147	ntrainattend_13	Number of Fresh milk marketing attended	
V148	ntrainattend_14	Number of Value addition marketing (e.g., mala, yoghurt) attended	
V149	ntrainattend_15	Number of Group/Cooperative Milk Marketing attended	
V150	ntrainattend_16	Number of Market Information Searching attended	
V151	adoptedtrain_1	Adopted Livestock best practices	
V152	adoptedtrain_2	Adopted Improved Fermentation of Milk best practices	
V153	adoptedtrain_3	Adopted Other milk processing and quality control best practices	
V154	adoptedtrain_4	Adopted Cattle best practices	
V155	adoptedtrain_5	Adopted Crop best practices	
V156	adoptedtrain_6	Adopted Organisational, managerial, bookkeeping, accounting, and fin	
V157	adoptedtrain_7	Adopted Fodder Establishment	
V158	adoptedtrain_8	Adopted Hay Making	
V159	adoptedtrain_9	Adopted Silage Making	
V160	adoptedtrain_10	Adopted Use of chaff cutter	
V161	adoptedtrain_11	Adopted Conservation (crop residues)	
V162	adoptedtrain_12	Adopted Animal registration	
V163	adoptedtrain_13	Adopted Fresh milk marketing	
V164	adoptedtrain_14	Adopted Value addition marketing (e.g., mala, yoghurt)	
V165	adoptedtrain_15	Adopted Group/Cooperative Milk Marketing	

ID	Name	Label	Question
V166	adoptedtrain_16	Adopted Market Information Searching	
V167	f_info_trainingtop	Fraction of training topics that households are informed about	
V168	femalereq_train_1	Household female requested: Livestock best practices training	
V169	femalereq_train_2	Household female requested: Improved Fermentation of Milk best practices trainin	
V170	femalereq_train_3	Household female requested: Other milk processing and quality control best pract	
V171	femalereq_train_4	Household female requested: Cattle best practices training	
V172	femalereq_train_5	Household female requested: Crop best practices training	
V173	femalereq_train_6	Household female requested: Financial planning training	
V174	femalereq_train_7	Household female requested: Fodder Establishment training	
V175	femalereq_train_8	Household female requested: Hay Making training	
V176	femalereq_train_9	Household female requested: Silage Making training	
V177	femalereq_train_10	Household female requested: Use of chaff cutter training	
V178	femalereq_train_11	Household female requested: Conservation (crop residues) training	
V179	femalereq_train_12	Household female requested: Animal registration training	
V180	femalereq_train_13	Household female requested: Fresh milk marketing training	
V181	femalereq_train_14	Household female requested: Value addition marketing (e.g., mala, yoghurt) train	
V182	femalereq_train_15	Household female requested: Group/Cooperative Milk Marketing training	
V183	femalereq_train_16	Household female requested: Market Information Searching training	
V184	f_adopted_bestpractice	Fraction of training topics that households have practiced or adopted	
V185	informed_cattlebestpract		
V186	ninformed_cattlebestpract	Proportion of HH in a village who are informed about cattle best practices	
V187	f_Q5_5_S	Fraction of financial service topics that households received information about	
V188	f_Q5_5_Z	Fraction of financial service topics that households practiced or adopted	
V189	nbelong_group_fun123	Proportion of HH in a village who belong to groups that provide functions:1,2,3	
V190	nyear_milkproduction	Number of years producing milk	
V191	age_fcalving_allbreed	Average age at first calving for all breeds	
V192	age_fcalving_breed_1	Age at first calving by breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey,	
V193	age_fcalving_breed_2	Age at first calving by breed: Local (e.g. Zebu or Boran)	
V194	age_fcalving_breed_3	Age at first calving by breed: Crossed breed	
V195	parity_allbreed	Average parity (number of live and/or still-births) for all breeds	
V196	parity_breed_1	Parity (number of live and/or still-births) for breed: Exotic (e.g. Fresian/Hols	
V197	parity_breed_2	Parity (number of live and/or still-births) for breed: Local (e.g. Zebu or Boran	
V198	parity_breed_3	Parity (number of live and/or still-births) for breed: Crossed breed	
V199	calvint_allbreed	Average calving interval for all breeds	
V200	calvint_breed_1	Calving interval for breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey, Je	
V201	calvint_breed_2	Calving interval for breed: Local (e.g. Zebu or Boran)	
V202	calvint_breed_3	Calving interval for breed: Crossed breed	
V203	lactlength_allbreed	Average lactation length for all breeds	
V204	lactlength_breed_1	Lactation length for breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey, Je	

ID	Name	Label	Question
V205	lactlength_breed_2	Lactation length for breed: Local (e.g. Zebu or Boran)	
V206	lactlength_breed_3	Lactation length for breed: Crossed breed	
V207	calv_milkprodper_breed_1	Total milk produced at calving by breed: Exotic (e.g. Fresian/Holstein, Ayshire,	
V208	calv_milkprodper_breed_2	Total milk produced at calving by breed: Local (e.g. Zebu or Boran)	
V209	calv_milkprodper_breed_3	Total milk produced at calving by breed: Crossed breed	
V210	yday_milkprodper_breed_1	Total milk produced by breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey,	
V211	yday_milkprodper_breed_2	Total milk produced by breed: Local (e.g. Zebu or Boran)	
V212	yday_milkprodper_breed_3	Total milk produced by breed: Crossed breed	
V213	n_cows	Number of milking cows	
V214	cow_diversity	Cattle Diversity	
V215	tot_milkproduc	Total milk production at calving	
V216	yday_tot_milkproduc	Total milk production	
V217	use_milkpractice_1	Use practice: Cleaning of milking area when milking cows	
V218	use_milkpractice_2	Use practice: Feeding off the ground in a trough or pot when milking cows	
V219	use_milkpractice_3	Use practice: Cleaning of hands before milking when milking cows	
V220	use_milkpractice_4	Use practice: Cleaning of hands after milking when milking cows	
V221	use_milkpractice_5	Use practice: Cleaning the cows teat before milking when milking cows	
V222	Q6_3_1A	Farmers sold milk in the morning	
V223	Q6_3_1B	Farmers sold milk in the evening	
V224	m_milklitre_sold	Total litres of milk sold in the morning (yesterday)	
V225	e_milklitre_sold	Total litres of milk sold in the evening (yesterday)	
V226	Q6_3_9	Litres of milk consumed yesterday	
V227	Q6_3_11	Litres of milk lost yesterday	
V228	fm_milklitre_sold	Total litres of fermented milk sold in the morning	
V229	e_fmilklitre_sold	Total litres of fermented milk sold in the evening (yesterday)	
V230	Q6_3_20	Litres of fermented milk consumed	
V231	Q6_3_22	Litres of fermented milk lost	
V232	soldmilkk_me		
V233	tot_milklitre_sold	Total litres of milk sold (yesterday)	
V234	l_soldmilk	Household sold milk yesterday	
V235	me_milk_price	Average price of milk/litre (yesterday)	
V236	dairyg_milkprice	Median price of milk within a dairy group	
V237	female_manages_freshmilk_sale	Household female manages money from fresh milk sold in the morning or evening	
V238	tot_milk_scl	Total litres of milk sold, consumed, or lost	
V239	tot_val_milk	Total value of milk	
V240	tot_val_milk2	Total value of milk	
V241	tot_ferm_milklitre_sold	Total litres of fermented milk sold (yesterday)	
V242	me_ferm_milk_price	Average price per litre of fermented milk (morning and evening)	
V243	dairyg_ferm_milkprice	Median price of fermented milk within a dairy group	
V244	female_manages_fermmilk_sale	Household female manages money from fermented milk sold in the morning or evening	
V245	tot_ferm_milk_scl	Total litres of fermented milk sold, consumed, or lost	
V246	tot_val_ferm_milk	Total value of fermented milk	

ID	Name	Label	Question
V247	Q8A1	Consumed cereals/grains in the last 7 days	
V248	Q8B1	Consumed potatoes/yams/cassava in the last 7 days	
V249	Q8C1	Consumed vegetables in the last 7 days	
V250	Q8D1	Consumed fruits in the last 7 days	
V251	Q8E1	Consumed beans/peas/lentils/nuts in the last 7 days	
V252	Q8F1	Consumed red meats/other organ meats in the last 7 days	
V253	Q8G1	Consumed poultry in the last 7 days	
V254	Q8H1	Consumed eggs in the last 7 days	
V255	Q8I1	Consumed fresh/dried fish/shellfish in the last 7 days	
V256	Q8J1	Consumed milk/cheese/yogurt/other milk product in the last 7 days	
V257	Q8K1	Consumed oils and fats product in the last 7 days	
V258	Q8L1	Consumed sweets/sugar/honey in the last 7 days	
V259	Q8M1	Q8M1- In the last 7 days have you or anyone in your household consumed Any other	
V260	qk_HDDS	household dietary diversity score (HDDS)	
V261	Q8A2	Consumed cereals/grains in the last 24 hours	
V262	Q8B2	Consumed potatoes/yams/cassava in the last 24 hours	
V263	Q8C2	Consumed vegetables in the last 24 hours	
V264	Q8D2	Consumed fruits in the last 24 hours	
V265	Q8E2	Consumed beans/peas/lentils/nuts in the last 24 hours	
V266	Q8F2	Consumed red meats/other organ meats in the 24 hours	
V267	Q8G2	Consumed poultry in the last 24 hours	
V268	Q8H2	Consumed eggs in the last 24 hours	
V269	Q8I2	Consumed fresh/dried fish/shellfish in the 24 hours	
V270	Q8J2	Consumed milk/cheese/yogurt/other milk product in the last 24 hours	
V271	Q8K2	Consumed oils and fats product in the last 24 hours	
V272	Q8L2	Consumed sweets/sugar/honey in the last 24 hours	
V273	Q8M2	Consumed condiments/coffee/tea including milk in tea in the last 24 hours	
V274	Q9_1	Household owns asset: Plough	
V275	Q9_2	Household owns asset: Animal cart	
V276	Q9_3	Household owns asset: Wheelbarrow	
V277	Q9_4	Household owns asset: Planter	
V278	Q9_5	Household owns asset: Knapsack sprayer	
V279	Q9_6	Household owns asset: Motorized sprayer	
V280	Q9_7	Household owns asset: Thresher	
V281	Q9_8	Household owns asset: Grinder	
V282	Q9_9	Household owns asset: Hand Hammer Mill	
V283	Q9_10	Household owns asset: Grinding Hammer Mill (Powered)	
V284	Q9_11	Household owns asset: Rump Presses/Oil Expeller	
V285	Q9_12	Household owns asset: Sheller	
V286	Q9_13	Household owns asset: Watering can	
V287	Q9_14	Household owns asset: Hoe Jembe	
V288	Q9_15	Household owns asset: Machete (Panga)	
V289	Q9_16	Household owns asset: Axe	
V290	Q9_17	Household owns asset: Sickle	

ID	Name	Label	Question
V291	Q9_18	Household owns asset: Cattle Pen	
V292	Q9_19	Household owns asset: Trough	
V293	Q9_20	Household owns asset: Pick	
V294	Q9_21	Household owns asset: Hammer	
V295	Q9_22	Household owns asset: Shovel/Spade	
V296	Q9_23	Household owns asset: Hand saw	
V297	Q9_27	Household owns asset: Small/Hand Driven Tractor	
V298	Q9_28	Household owns asset: 4-Wheel Tractor	
V299	Q9_29	Household owns asset: Chaff cutter	
V300	Q9_30	Household owns asset: Greenhouse	
V301	Q9_31	Household owns asset: Irrigation equipment	
V302	Q9_32	Household owns asset: Water tank	
V303	Q9_65	Household owns asset: Goat	
V304	consumer_durable_idx	Consumer Durables Index	
V305	ag_implements_idx	Agricultural Implements Index	
V306	self_assessed_poverty_1	Households consider themselves: better off	
V307	self_assessed_poverty_2	Households consider themselves: the same	
V308	self_assessed_poverty_3	Households consider themselves: worse off	
V309	self_assessed_poverty_4	Households consider themselves: not applicable	
V310	n_meals_1	Number of meals (excluding snacks) in a day: one	
V311	n_meals_2	Number of meals (excluding snacks) in a day: two	
V312	n_meals_3	Number of meals (excluding snacks) in a day: three	
V313	n_meals_4	Number of meals (excluding snacks) in a day: more than three	
V314	ntimes_fish_1	Number of times household ate meat/fish in the last month: zero	
V315	ntimes_fish_2	Number of times household ate meat/fish in the last month: once	
V316	ntimes_fish_3	Number of times household ate meat/fish in the last month: twice	
V317	ntimes_fish_4	Number of times household ate meat/fish in the last month: thrice	
V318	ntimes_fish_5	Number of times household ate meat/fish in the last month: four times	
V319	ntimes_fish_6	Number of times household ate meat/fish in the last month: five times	
V320	ntimes_fish_7	Number of times household ate meat/fish in the last month: more than five times	
V321	ntimes_veggie_1	Number of times household ate vegetables in the last month: zero	
V322	ntimes_veggie_2	Number of times household ate vegetables in the last month: once	
V323	ntimes_veggie_3	Number of times household ate vegetables in the last month: twice	
V324	ntimes_veggie_4	Number of times household ate vegetables in the last month: thrice	
V325	ntimes_veggie_5	Number of times household ate vegetables in the last month: four times	
V326	ntimes_veggie_6	Number of times household ate vegetables in the last month: five times	
V327	ntimes_veggie_7	Number of times household ate vegetables in the last month: more than five times	
V328	fewermeal_1	Household never had to eat fewer meals in a day because food wasn't enough	
V329	fewermeal_2	Household rarely had to eat fewer meals in a day because food wasn't enough	
V330	fewermeal_3	Household sometimes had to eat fewer meals in a day because food wasn't enough	
V331	fewermeal_4	Household often had to eat fewer meals in a day because food wasn't enough	

ID	Name	Label	Question
V332	nofood_1	Household never had no food to eat because of lack of resources	
V333	nofood_2	Household rarely had no food to eat because of lack of resources	
V334	nofood_3	Household sometimes had no food to eat because of lack of resources	
V335	nofood_4	Household often had no food to eat because of lack of resources	
V336	slepthungry_1	Household never had to sleep hungry at night because food wasn't enough	
V337	slepthungry_2	Household rarely had to sleep hungry at night because food wasn't enough	
V338	slepthungry_3	Household sometimes had to sleep hungry at night because food wasn't enough	
V339	slepthungry_4	Household often had to sleep hungry at night because food wasn't enough	
V340	daynight_hungry_1	Household never had to go a whole day and night without eating anything	
V341	daynight_hungry_2	Household rarely had to go a whole day and night without eating anything	
V342	daynight_hungry_3	Household sometimes had to go a whole day and night without eating anything	
V343	daynight_hungry_4	Household often had to go a whole day and night without eating anything	
V344	resp_fempct	Pct of DG Respondents that are Female	
V345	leader_edavg	Average Years of Education of DG Leaders	
V346	meet_monthly	Dairy Group Meets At Least Monthly (excl. weekly)	
V347	committee_any	Dairy Group has Any Committee	
V348	conflict_type1	DG Experienced Conflict Related To Unpaid Dues	
V349	conflict_type2	DG Experienced Conflict Related To Amount of Dues	
V350	conflict_type3	DG Experienced Conflict Related To Participation in Trainings	
V351	conflict_type4	DG Experienced Conflict Related To Participation in Educational Tours	
V352	conflict_type5	DG Experienced Conflict Related To Financing	
V353	conflict_type6	DG Experienced Conflict Related To Organizational or Management	
V354	finance_type1	Dairy Group Receives Finance From	
V355	finance_type2	Dairy Group Receives Finance From	
V356	finance_type4	Dairy Group Receives Finance From	
V357	finance_type3	Dairy Group Receives Finance From Savings Associations / Other, Specify (omit)	
V358	training_accessany	DG Accessed Any Training	
V359	training_accesext	DG Accessed Any External Training	
V360	comorg_type2	Community has Agricultural Coop	
V361	comorg_type4	Community has Farmers' Group	
V362	comorg_type5	Community has Savings & Credit Coop	
V363	comproj_any	Community has Any Agriculture-Based Project Other Than SDCP	
V364	comproj_agfocus	Any Project in Community is Focused on Agriculture	
V365	comproj_lsfocus	Any Project in Community is Focused on Livestock	
V366	com_roadimp	Community Main Road is Tar/Asphalt or Graded/Graveled	
V367	com_weeklymkt	Community has a Weekly Market	
V368	com_clinic	Community has a Health Clinic	
V369	com_distmpesa	Distance to Nearest M-PESA Agent (meters)	
V370	sum_househ	sum of households in division	
V371	wtanydairy	% of cattle households	



ID	Name	Label	Question
V372	prtcow_gra	Proportion of cows by genotype in dairy households	
V373	prtcow_cro	Proportion of cows by genotype in dairy households	
V374	prtcow_zeb	Proportion of cows by genotype in dairy households	
V375	projcross	No of households * % of cattle households * average number of cattle (CROSS)	
V376	projgrade	No of households * % of cattle households * average number of cattle (GRADE)	
V377	projzebu	No of households * % of cattle households * average number of cattle (ZEBU)	
V378	milk_densi	Milk density in litres per square kilometres per year used by ILRI	
V379	milk_dens1	Milk density in litres per square kilometres per year	
V380	area_km2	Area of division in square kilometres	
V381	poor_peopl	Proportion of poor people	
V382	travcool	Travel time (in hours) to the nearest cooling center	
V383	travurbs	Travel time (in hours) to the nearest urban center	
V384	treat		
V385	ha_ps	Hectares Cultivated Primary Season	
V386	Inha_ps	In(Hectares Cultivated Primary Season)	
V387	ha_ss	Hectares Cultivated Secondary Season	
V388	Inha_ss	In(Hectares Cultivated Secondary Season)	
V389	ha_both	Hectares Cultivated (Sum of Both Seasons)	
V390	Inha_both	In(Hectares Cultivated (Sum of Both Seasons))	
V391	ha	Hectares Cultivated (Any Cultivation in Either Season)	
V392	Inha	In(Hectares Cultivated (Any Cultivation in Either Season))	
V393	pctplotdm_mal	Proportion Plot Decision-Maker, Male	
V394	pctplotdm_fem	Proportion Plot Decision-Maker, Female	
V395	pctplotdm_mix	Proportion Plot Decision-Maker, Joint Male & Female	
V396	pctplotdm_non	Proportion Plot Decision-Maker, a Non-Household Member	
V397	pctplotowned	Proportion Plot, Held on a Permanent or Semi-permanent basis	
V398	pctplotsoil_sand	Proportion Plot Soil, Primarily Sandy	
V399	pctplotsoil_mix	Proportion Plot Soil, Primarily Between Sand & Clay	
V400	pctplotsoil_clay	Proportion Plot Soil, Primarily Clay	
V401	pctplotsoil_vred	Proportion Plot Soil, Primarily Red Volcanic	
V402	pctplotslope_flat	Proportion Plot Slope, Flat	
V403	pctplotslope_slight	Proportion Plot Slope, Slight	
V404	pctplotslope_medium	Proportion Plot Slope, Moderate	
V405	pctplotslope_steep	Proportion Plot Slope, Steep or Hilly	
V406	pctplot_wetland	Proportion Plot, swamp/wetland	
V407	pctplotirrig_any	Proportion Plot, any system of irrigation	
V408	pctplotirrig_structure	Proportion Plot, any irrigation structure	
V409	grewany	HH Cultivated Any Crop in Either Season	
V410	grewany_ps	HH Cultivated Any Crop in Primary Season	
V411	grewany_ss	HH Cultivated Any Crop in Secondary Season	
V412	plotdm_mal	Any Plot Decision-Maker is Male	
V413	plotdm_fem	Any Plot Decision-Maker is Female	
V414	plotdm_mix	Any Plot Decision-Maker is Joint Male & Female	

ID	Name	Label	Question
V415	plotdm_non	Any Plot Decision-Maker is a Non-Household Member	
V416	plotowned	Any Plot is Held on a Permanent or Semi-permanent basis	
V417	plotsoil_sand	Any Plot Soil is Primarily Sandy	
V418	plotsoil_mix	Any Plot Soil is Primarily Between Sand & Clay	
V419	plotsoil_clay	Any Plot Soil is Primarily Clay	
V420	plotsoil_vred	Any Plot Soil is Primarily Red Volcanic	
V421	plotslope_flat	Any Plot Slope is Flat	
V422	plotslope_slight	Any Plot Slope is Slight	
V423	plotslope_medium	Any Plot Slope is Moderate	
V424	plotslope_steep	Any Plot Slope is Steep or Hilly	
V425	plot_wetland	Any Plot is swamp/wetland	
V426	plotirrig_any	Any Plot has any system of irrigation	
V427	plotirrig_structure	Any Plot has any irrigation structure	
V428	yield_maize_ps	Maize Yield in Primary Season (kg/ha)	
V429	Inyield_maize_ps	In(Maize Yield in Primary Season (kg/ha) + 1)	
V430	quant_maize_ps	Maize Harvest Quantity in Primary Season (kg/ha)	
V431	Inquant_maize_ps	In(Maize Harvest Quantity in Primary Season (kg/ha) + 1)	
V432	yield_grass_ps	Fodder Grass Yield in Primary Season (kg/ha)	
V433	Inyield_grass_ps	In(Fodder Grass Yield in Primary Season (kg/ha) + 1)	
V434	quant_grass_ps	Fodder Grass Harvest Quantity in Primary Season (kg/ha)	
V435	Inquant_grass_ps	In(Fodder Grass Harvest Quantity in Primary Season (kg/ha) + 1)	
V436	yield_maize_ss	Maize Yield in Secondary Season (kg/ha)	
V437	Inyield_maize_ss	In(Maize Yield in Secondary Season (kg/ha) + 1)	
V438	quant_maize_ss	Maize Harvest Quantity in Secondary Season (kg/ha)	
V439	Inquant_maize_ss	In(Maize Harvest Quantity in Secondary Season (kg/ha) + 1)	
V440	yield_grass_ss	Fodder Grass Yield in Secondary Season (kg/ha)	
V441	Inyield_grass_ss	In(Fodder Grass Yield in Secondary Season (kg/ha) + 1)	
V442	quant_grass_ss	Fodder Grass Harvest Quantity in Secondary Season (kg/ha)	
V443	Inquant_grass_ss	In(Fodder Grass Harvest Quantity in Secondary Season (kg/ha) + 1)	
V444	yield_maize	Maize Yield (kg/ha)	
V445	Inyield_maize	In(Maize Yield (kg/ha) + 1)	
V446	quant_maize	Maize Harvest Quantity (kg/ha)	
V447	Inquant_maize	In(Maize Harvest Quantity (kg/ha) + 1)	
V448	yield_grass	Fodder Grass Yield (kg/ha)	
V449	Inyield_grass	In(Fodder Grass Yield (kg/ha) + 1)	
V450	quant_grass	Fodder Grass Harvest Quantity (kg/ha)	
V451	Inquant_grass	In(Fodder Grass Harvest Quantity (kg/ha) + 1)	
V452	valha_ps	Crop Production Value per Hectare in Primary Season (KES/ha)	
V453	Invalha_ps	In(Crop Production Value per Hectare in Primary Season (KES/ha) + 1)	
V454	value_ps	Crop Production Value in Primary Season (KES/ha)	
V455	Invalue_ps	In(Crop Production Value in Primary Season (KES/ha) + 1)	
V456	valha_ss	Crop Production Value per Hectare in Secondary Season (KES/ha)	
V457	Invalha_ss	In(Crop Production Value per Hectare in Secondary Season (KES/ha) + 1)	
V458	value_ss	Crop Production Value in Secondary Season (KES/ha)	
V459	Invalue_ss	In(Crop Production Value in Secondary Season (KES/ha) + 1)	

ID	Name	Label	Question
V460	valha	Crop Production Value per Hectare Total (KES/ha)	
V461	Invalha	$\ln(\text{Crop Production Value per Hectare Total (KES/ha)} + 1)$	
V462	value	Crop Production Value Total (KES/ha)	
V463	Invalue	$\ln(\text{Crop Production Value Total (KES/ha)} + 1)$	
V464	village	Village	

total: 464

**Data file: anon\_hhroster\_11**

Cases: 0

variables: 30

**variables**

ID	Name	Label	Question
V465	SbjNum	SbjNum	
V466	Category	Treatment or control	
V467	county	County	
V468	division	Division	
V469	village	Village	
V470	Q1	Q1. Does anyone in this household conduct dairy farming activities on owned or r	
V471	Q2	Q2. Are you the person in this household who is mainly responsible for the dairy	
V472	Q2_Other	Q2. Are you the person in this household who is mainly responsible for the dairy	
V473	Q3	Q3. Do you currently belong to a registered self-help group that has a dairy as	
V474	Q4	Q4. Do you currently have at least one plot that is greater than ¼ of an acre (e	
V475	Q5	Q5. In 2008, the year after the elections, as far as you can remember, did you h	
V476	Q6	Q6. In 2008, the year after the elections, as far as you can remember, did you h	
V477	Q7	Q7. In 2008, the year after the elections, as far as you can remember, did you c	
V478	Q8	Q8. In 2008, the year after the elections, as far as you can remember, did you	
V479	Q10	Q10. Have you heard of the International Fund for Agricultural Development also	
V480	Q11	Q11. Are you willing to take part in the survey?	
V481	Q_34	Outcome of final visit:	
V482	Q_1108	How many times have you had to visit before completing the interview	
V483	Q_1109	Main language used by enumerator in this interview	
V484	Q_1109_S	Main language used by enumerator in this interview [Other (specify)]	
V485	Q_1110	Main language used by respondent in this interview	
V486	Q_1110_S	Main language used by respondent in this interview [Other (specify)]	
V487	Q1_2	Q1.2 How old is ...?	
V488	Q1_3	Q1.3 What is ... gender	
V489	Q1_4	Q1.4 What is ... relationship to head?	
V490	Q1_5	Q1.5 What is ... marital status?	
V491	Q1_6	Q1.6 In the last 12 months, how many months has ... been away from the household	
V492	Q1_7	Q1.7 Has ... ever attended school or is ... currently attending?	
V493	Q1_8	Q1.8 What is the highest grade that ... has completed?	
V494	Q1_9	Q1.9 How many years of schooling has ... completed?	

total: 30



**COUNTRY:****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 5 Range: - Format: character

**MLANGUAGE\_5: Main language of respondent: Kikuyu****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**HHID: SbjNum****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 8 Range: - Format: character

**CATEGORY: Treatment or control****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	Control
1	Treatment

**COUNTY: County****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	Bomet
2	Nakuru
3	Kakamega
4	Bungoma

### **DIVISION: Division**

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 23 - 504 Format: Numeric

### **MLANGUAGE\_1: Main language of respondent: Kiswahili**

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

### **MLANGUAGE\_2: Main language of respondent: English**

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

### **MLANGUAGE\_3: Main language of respondent: Luhya**

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

### **MLANGUAGE\_4: Main language of respondent: Kalenjin**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**MLANGUAGE\_6: Main language of respondent: Other**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**HH\_SIZE: Household size**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	>=10

**NWORKAGE: Number of people in the working age group (14-64)**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 11 Format: Numeric



**AGE05: Number of Children under the age of 5****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 4    Format: Numeric

**HH\_AGE: Age of household head****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	(15,25]
2	(25,35]
3	(35,45]
4	(45,55]
5	(55,65]
6	(65,75]
7	+75

**HH\_FEMALE: Female head of the household****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**TOTAL\_LAND: Total size of landholdings in acres****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0.25 - 25    Format: Numeric

**LN\_TOTAL\_LAND: Natural log of total size of landholdings****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -1.3862943649292 - 3.21887588500977 Format: Numeric

**I\_SLOPE\_PLOT\_1: Slope of the plot: flat****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**I\_SLOPE\_PLOT\_2: Slope of the plot: slight slope****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**I\_SLOPE\_PLOT\_3: Slope of the plot: moderate slope****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**I\_SLOPE\_PLOT\_4: Slope of the plot: slope of the plot: steep or hilly****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**IRRIGATION: Irrigation is available****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**LANDHOLDINGS\_TITLE: Total size of landholdings in acres purchased with title****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**NLOCAL\_BREED\_OWNED: Number of local breed cattle owned****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 16    Format: Numeric

**N\_COWS\_LOCAL\_BREED\_OWNED: Number of local breed cows owned****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 6    Format: Numeric

**NEXOTIC\_BREED\_OWNED: Number of exotic breed cattle owned****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 25    Format: Numeric

**N\_COWS\_EXOTIC\_BREED\_OWNED: Number of exotic breed cows owned****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 15    Format: Numeric

**NCROSSED\_BREED\_OWNED: Number of crossed breed cattle owned****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 15 Format: Numeric

**N\_COWS\_CROSSED\_BREED\_OWNED: Number of crossed breed cows owned****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 7 Format: Numeric

**N\_CATTLE\_SEC4: Total number of cattle owned****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 25 Format: Numeric

**N\_COWS\_SEC4: Total number of cows owned****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 15 Format: Numeric

**FEMALE\_CMONEY: Female controls money from the sale of cattle****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Q5\_1: Households keep regular monitoring of their cattle (breeding/vaccination)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q5\_2A\_1: Technology for [own bull service] is available****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q5\_2C\_1: Farmers used: Own Bull Service in the last 12 months****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q5\_2D\_1\_2: Household female decides Other Bull Service provider to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q5\_2A\_2: Technology for [other bull service] is available****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q5\_2C\_2: Farmers used: Other Bull Service in the last 12 months****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q5\_2D\_2\_2: Household female decides Own Bull Service provider to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q5\_2A\_3: Technology for [AI service] is available****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
0	No
1	Yes

### Q5\_2C\_3: Farmers used: AI Service in the last 12 months

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
0	No
1	Yes

### F\_MALE\_DECIDE\_BREEDSERVICES: Fraction of decisions regarding breeding services made by male

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

### F\_FEMALE\_DECIDE\_BREEDSERVICES: Fraction of decisions regarding breeding services made by female

Data file: anon\_analysis\_11

#### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

### F\_JOINTLY\_DECIDE\_BREEDSERVICES: Fraction of decisions regarding breeding services made by jointly

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Q5\_2D\_3\_2: Household female decides AI Service provider to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**ANIMAL\_HEALTHSERVICE\_1: Households have access to anthelmintics (deworming) animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ANIMAL\_HEALTHSERVICE\_2: Households have access to tick control animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ANIMAL\_HEALTHSERVICE\_3: Households have access to vaccination animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ANIMAL\_HEALTHSERVICE\_4: Households have access to curative treatment animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric



**ANIMAL\_HEALTHSERVICE\_5: Households do not have access to any animal health services****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**USED\_Q5\_3C\_1\_2: Household used anthelmintics (deworming) animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**Q5\_3E\_1\_4\_2: Household female decides animal health service [Anthelmintics (deworming)] to us****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**USED\_Q5\_3C\_2\_2: Household used tick control animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**Q5\_3E\_2\_4\_2: Household female decides animal health service [Tick Control ] to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**USED\_Q5\_3C\_3\_2: Household used vaccination animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**Q5\_3E\_3\_4\_2: Household female decides animal health service [Vaccination] to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**USED\_Q5\_3C\_4\_2: Household used curative treatment animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Q5\_3E\_4\_4\_2: Household female decides animal health service [Curative Treatment] to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**SYSTEM\_KEEPINGCATTLE\_4: Zero grazing****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**BOMAFLOOR\_CONCRETE: Paddock/boma/stall floor is concrete****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**BOMAFLOOR\_CON\_STONE: Paddock/boma/stall floor is concrete/stone****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEED\_CROPRESIDUES: Households feed cattle crop residues**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**CONCENTRATE\_FEEDS: Feeding cattle concentrate feeds, by-products, and mineral supplements**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**CONCENTRATEFEEDS\_ANIMALTYPE\_1: Feed all animals with concentrate feeds/by-products/mineral supplements**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**CONCENTRATEFEEDS\_ANIMALTYPE\_2: Feed cows only with concentrate feeds/by-products/mineral supplements**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**CONCENTRATEFEEDS\_ANIMALTYPE\_3: Feed only lactating cows with concentrate feeds/by-products/mineral supplements**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**CONCENTRATEFEEDS\_ANIMALTYPE\_4: Feed calves only with concentrate feeds/by-products/mineral supplements****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**CONCENTRATEFEEDS\_ANIMALTYPE\_5: Feed other animals with concentrate feeds/by-products/mineral supplements****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**VARY\_FEEDING: Households vary feeding depending on stage of lactation****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**C\_WATERAVAILABLE\_1: Water was available for cattle throughout the day yesterday****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**C\_WATERAVAILABLE\_2: Water is available for cattle throughout the year****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**Q5\_4\_9: Farmers experiencing shortage of feeds from their farm****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

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## CATEGORIES

Value	Category
0	No
1	Yes

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**Q5\_4\_11\_1: Cost of non-household labour in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 36000 Format: Numeric

**Q5\_4\_11\_2: Cost of purchased fodder in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 20000 Format: Numeric

**Q5\_4\_11\_3: Cost of growing fodder in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 17500 Format: Numeric

**Q5\_4\_11\_4: Cost of purchased crop residues in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 3300 Format: Numeric

**Q5\_4\_11\_5: Cost of concentrate feeds and by products in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 60000    Format: Numeric

**Q5\_4\_11\_6: Cost of mineral supplements in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 13050    Format: Numeric

**Q5\_4\_11\_7: Cost of water in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 4500    Format: Numeric

**Q5\_4\_11\_8: Cost of marketing in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 3000    Format: Numeric

**Q5\_4\_11\_9: Cost of transporting milk in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 2100    Format: Numeric

**Q5\_4\_11\_10: Cost of transporting inputs in the last 7 days (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 6000    Format: Numeric

**Q5\_4\_12\_1: Cost of [Own Bull Service](in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 6000 Format: Numeric

**Q5\_4\_12\_2: Cost of [Other Bull Service](in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 5000 Format: Numeric

**Q5\_4\_12\_3: Cost of [AI](in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 22100 Format: Numeric

**Q5\_4\_12\_4: Cost of animal health services--government veterinarian/AHA (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 15000 Format: Numeric

**Q5\_4\_12\_5: Cost of animal health services--cooperative veterinarian (in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 12000 Format: Numeric

**Q5\_4\_12\_6: Cost of animal health services--SDCP veterinarian (in KES)****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 9000 Format: Numeric

**Q5\_4\_12\_7: Cost of animal health services--private veterinarian/AHA (in KES)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 10000 Format: Numeric

**ANY\_ANIMAL\_HEALTHSERVICE: Households have access to at least one animal health service****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Q5\_4\_12\_8: Cost of animal health services--traditional herbalists (in KES)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 5000 Format: Numeric

**Q5\_4\_12\_9: Cost of animal health services--neighbour (in KES)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 10000 Format: Numeric

**Q5\_4\_12\_10: Cost of [Vaccinations](in KES)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 12000 Format: Numeric



**Q5\_4\_12\_11: Cost of [Tick control](in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 48000 Format: Numeric

**Q5\_4\_12\_12: Cost of [De-worming (Anthelmintics)](in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 50000 Format: Numeric

**Q5\_4\_12\_13: Cost of [Curative Treatment](in KES)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 10000 Format: Numeric

**ANYBREEDING\_AVAILABLE: Technology for breeding service is available****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**USED\_ANYBREEDING:****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALE\_DECIDE\_ANYTECH: Household female decide on at least one breeding services to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**USED\_ANY\_ANIMALHS: Household used at least one animal health service****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALE\_DECIDE\_ANYANIMALS: Household female decide on at least one animal health services to use****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**F\_MALE\_DECIDE\_ANIMALSERVICES: Fraction of decisions regarding animal health services made by male****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 3    Format: Numeric

**F\_FEMALE\_DECIDE\_ANIMALSERVICES: Fraction of decisions regarding animal health services made by female****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 2    Format: Numeric

**NANIMALSERVICES\_FROM4567: % of HH in a village who accessed animal health services from: 4, 5, 6, or 7****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**P\_PROTEIN\_FODDER: Purchases protein-rich fodder****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEED\_CROPRESIDUES\_LC: Households feed local cattle crop residues****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEED\_CROPRESIDUES\_EX: Households feed cross/exotic cattle crop residues****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**CONCENTRATE\_FEEDS\_LC: Feeding local cattle concentrate feeds, by-products, and mineral supplements****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**CONCENTRATE\_FEEDS\_EX: Feeding cross/exotic cattle concentrate feeds, by-products, and mineral suppleme****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**REQUEST\_EXTVISIT\_2: Household female requested extension visit****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

---

## **REQUEST\_FIELDVISIT\_2: Household female requested field visit**

**Data file:** anon\_analysis\_11

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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## **REQUEST\_OTHERDEMO\_2: Household female requested other demonstrations visit**

**Data file:** anon\_analysis\_11

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

---

## **CATTLE\_EXT\_AVAILABLE: Cattle extension visits are available**

**Data file:** anon\_analysis\_11

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

---

## **CATTLE\_FD\_AVAILABLE: Cattle field days are available**

**Data file:** anon\_analysis\_11

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

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## **CATTLE\_DEMO\_AVAILABLE: Cattle demonstrations are available**

**Data file:** anon\_analysis\_11

### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

---

## **N\_ANYEXTENSION\_AVAILABLE: Proportion of HH in a village who said: extension services are available**

**Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALE\_REQUESTED\_ANYEXT: Household female decide on at least one animal health services to use****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**INFORMED\_TRAINING\_1: Informed about: Livestock best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**INFORMED\_TRAINING\_2: Informed about: Improved Fermentation of Milk best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**INFORMED\_TRAINING\_3: Informed about: Other milk processing and quality control best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**INFORMED\_TRAINING\_4: Informed about: Cattle best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**INFORMED\_TRAINING\_5: Informed about: Crop best practices****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_6: Informed about: Organisational, managerial, bookkeeping, accounting, and fin****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_7: Informed about: Fodder Establishment****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_8: Informed about: Hay Making****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_9: Informed about: Silage Making****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_10: Informed about: Use of chaff cutter****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_11: Informed about: Conservation (crop residues)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_12: Informed about: Animal registration****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_13: Informed about: Fresh milk marketing****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_14: Informed about: Value addition marketing (e.g., mala, yoghurt)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_15: Informed about: Group/Cooperative Milk Marketing****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**INFORMED\_TRAINING\_16: Informed about: Market Information Searching****Data file:** anon\_analysis\_11

**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**NTRAINATTEND\_1: Number of Livestock best practices attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 50    Format: Numeric

**NTRAINATTEND\_2: Number of Improved Fermentation of Milk best practices attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

**NTRAINATTEND\_3: Number of Other milk processing and quality control best practices attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 20    Format: Numeric

**NTRAINATTEND\_4: Number of Cattle best practices attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

**NTRAINATTEND\_5: Number of Crop best practices attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric



**NTRAINATTEND\_6: Number of Organisational, managerial, bookkeeping, accounting, and fin attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

**NTRAINATTEND\_7: Number of Fodder Establishment attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 84    Format: Numeric

**NTRAINATTEND\_8: Number of Hay Making attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

**NTRAINATTEND\_9: Number of Silage Making attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 50    Format: Numeric

**NTRAINATTEND\_10: Number of Use of chaff cutter attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 50    Format: Numeric

**NTRAINATTEND\_11: Number of Conservation (crop residues) attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

**NTRAINATTEND\_12: Number of Animal registration attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 25    Format: Numeric

**NTRAINATTEND\_13: Number of Fresh milk marketing attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

**NTRAINATTEND\_14: Number of Value addition marketing (e.g., mala, yoghurt) attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 56    Format: Numeric

**NTRAINATTEND\_15: Number of Group/Cooperative Milk Marketing attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 24    Format: Numeric

**NTRAINATTEND\_16: Number of Market Information Searching attended****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 50    Format: Numeric

**ADOPTEDTRAIN\_1: Adopted Livestock best practices****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ADOPTEDTRAIN\_2: Adopted Improved Fermentation of Milk best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ADOPTEDTRAIN\_3: Adopted Other milk processing and quality control best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ADOPTEDTRAIN\_4: Adopted Cattle best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ADOPTEDTRAIN\_5: Adopted Crop best practices****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ADOPTEDTRAIN\_6: Adopted Organisational, managerial, bookkeeping, accounting, and fin****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ADOPTEDTRAIN\_7: Adopted Fodder Establishment****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_8: Adopted Hay Making****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_9: Adopted Silage Making****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_10: Adopted Use of chaff cutter****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_11: Adopted Conservation (crop residues)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_12: Adopted Animal registration****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_13: Adopted Fresh milk marketing****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_14: Adopted Value addition marketing (e.g., mala, yoghurt)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_15: Adopted Group/Cooperative Milk Marketing****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**ADOPTEDTRAIN\_16: Adopted Market Information Searching****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**F\_INFO\_TRAININGTOP: Fraction of training topics that households are informed about****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_1: Household female requested: Livestock best practices training****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALEREQ\_TRAIN\_2: Household female requested: Improved Fermentation of Milk best practices trainin****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALEREQ\_TRAIN\_3: Household female requested: Other milk processing and quality control best pract****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALEREQ\_TRAIN\_4: Household female requested: Cattle best practices training****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALEREQ\_TRAIN\_5: Household female requested: Crop best practices training****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALEREQ\_TRAIN\_6: Household female requested: Financial planning training****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**FEMALEREQ\_TRAIN\_7: Household female requested: Fodder Establishment training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_8: Household female requested: Hay Making training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_9: Household female requested: Silage Making training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_10: Household female requested: Use of chaff cutter training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_11: Household female requested: Conservation (crop residues) training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_12: Household female requested: Animal registration training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_13: Household female requested: Fresh milk marketing training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_14: Household female requested: Value addition marketing (e.g., mala, yoghurt) train****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_15: Household female requested: Group/Cooperative Milk Marketing training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**FEMALEREQ\_TRAIN\_16: Household female requested: Market Information Searching training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**F\_ADOPTED\_BESTPRACTICE: Fraction of training topics that households have practiced or adopted****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric



**INFORMED\_CATTLEBESTPRACT:****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**NINFORMED\_CATTLEBESTPRACT: Proportion of HH in a village who are informed about cattle best practices****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**F\_Q5\_5\_S: Fraction of financial service topics that households received information about****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**F\_Q5\_5\_Z: Fraction of financial service topics that households practiced or adopted****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 0.875    Format: Numeric

**NBELONG\_GROUP\_FUN123: Proportion of HH in a village who belong to groups that provide functions:1,2,3****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**NYEAR\_MILKPRODUCTION: Number of years producing milk****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 1 - 79    Format: Numeric

---

### **AGE\_FCALVING\_ALLBREED: Average age at first calving for all breeds**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

---

### **AGE\_FCALVING\_BREED\_1: Age at first calving by breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey,**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

---

### **AGE\_FCALVING\_BREED\_2: Age at first calving by breed: Local (e.g. Zebu or Boran)**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 100    Format: Numeric

---

### **AGE\_FCALVING\_BREED\_3: Age at first calving by breed: Crossed breed**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 72    Format: Numeric

---

### **PARITY\_ALLBREED: Average parity (number of live and/or still-births) for all breeds**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 11    Format: Numeric

---

### **PARITY\_BREED\_1: Parity (number of live and/or still-births) for breed: Exotic (e.g.**

**Fresian/Hols****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 11    Format: Numeric

**PARITY\_BREED\_2: Parity (number of live and/or still-births) for breed: Local (e.g. Zebu or Boran)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 12    Format: Numeric

**PARITY\_BREED\_3: Parity (number of live and/or still-births) for breed: Crossed breed****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 12    Format: Numeric

**CALVINT\_ALLBREED: Average calving interval for all breeds****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 916    Format: Numeric

**CALVINT\_BREED\_1: Calving interval for breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey, Je****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 916    Format: Numeric

**CALVINT\_BREED\_2: Calving interval for breed: Local (e.g. Zebu or Boran)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 36    Format: Numeric

---

### **CALVINT\_BREED\_3: Calving interval for breed: Crossed breed**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 24    Format: Numeric

---

### **LACLENGTH\_ALLBREED: Average lactation length for all breeds**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 56    Format: Numeric

---

### **LACLENGTH\_BREED\_1: Lactation length for breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey, Je**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 72    Format: Numeric

---

### **LACLENGTH\_BREED\_2: Lactation length for breed: Local (e.g. Zebu or Boran)**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 36    Format: Numeric

---

### **LACLENGTH\_BREED\_3: Lactation length for breed: Crossed breed**

Data file: anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 24    Format: Numeric

---

### **CALV\_MILKPRODPER\_BREED\_1: Total milk produced at calving by breed: Exotic (e.g.**

**Fresian/Holstein, Ayshire,****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 36    Format: Numeric

**CALV\_MILKPRODPER\_BREED\_2: Total milk produced at calving by breed: Local (e.g. Zebu or Boran)****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 25    Format: Numeric

**CALV\_MILKPRODPER\_BREED\_3: Total milk produced at calving by breed: Crossed breed****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 29    Format: Numeric

**YDAY\_MILKPRODPER\_BREED\_1: Total milk produced by breed: Exotic (e.g. Fresian/Holstein, Ayshire, Guernsey,****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 28    Format: Numeric

**YDAY\_MILKPRODPER\_BREED\_2: Total milk produced by breed: Local (e.g. Zebu or Boran)****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 20    Format: Numeric

**YDAY\_MILKPRODPER\_BREED\_3: Total milk produced by breed: Crossed breed****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 18    Format: Numeric

---

### **N\_COWS: Number of milking cows**

**Data file:** anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 16    Format: Numeric

---

### **COW\_DIVERSITY: Cattle Diversity**

**Data file:** anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

---

### **TOT\_MILKPRODUC: Total milk production at calving**

**Data file:** anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 83    Format: Numeric

---

### **YDAY\_TOT\_MILKPRODUC: Total milk production**

**Data file:** anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 53    Format: Numeric

---

### **USE\_MILKPRACTICE\_1: Use practice: Cleaning of milking area when milking cows**

**Data file:** anon\_analysis\_11

#### **Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

---

### **USE\_MILKPRACTICE\_2: Use practice: Feeding off the ground in a trough or pot when milking cows**

**Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**USE\_MILKPRACTICE\_3: Use practice: Cleaning of hands before milking when milking cows****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**USE\_MILKPRACTICE\_4: Use practice: Cleaning of hands after milking when milking cows****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**USE\_MILKPRACTICE\_5: Use practice: Cleaning the cows teat before milking when milking cows****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**Q6\_3\_1A: Farmers sold milk in the morning****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q6\_3\_1B: Farmers sold milk in the evening****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**M\_MILKLITRE\_SOLD: Total litres of milk sold in the morning (yesterday)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 120    Format: Numeric

**E\_MILKLITRE\_SOLD: Total litres of milk sold in the evening (yesterday)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 80    Format: Numeric

**Q6\_3\_9: Litres of milk consumed yesterday****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 12    Range: 0 - 15    Format: Numeric

**Q6\_3\_11: Litres of milk lost yesterday****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 10    Format: Numeric

**FM\_MILKLITRE\_SOLD: Total litres of fermented milk sold in the morning****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 10    Format: Numeric

**E\_FMILKLITRE\_SOLD: Total litres of fermented milk sold in the evening (yesterday)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 5    Format: Numeric



**Q6\_3\_20: Litres of fermented milk consumed****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 15 Format: Numeric

**Q6\_3\_22: Litres of fermented milk lost****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 2 Format: Numeric

**SOLDMILKK\_ME:****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**TOT\_MILKLITRE\_SOLD: Total litres of milk sold (yesterday)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 200 Format: Numeric

**I\_SOLDMILK: Household sold milk yesterday****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**ME\_MILK\_PRICE: Average price of milk/litre (yesterday)****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0.0199999995529652 - 540 Format: Numeric

**DAIRYG\_MILKPRICE: Median price of milk within a dairy group****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 20 - 80 Format: Numeric

**FEMALE\_MANAGES\_FRESHMILK\_SALE: Household female manages money from fresh milk sold in the morning or evening****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**TOT\_MILK\_SCL: Total litres of milk sold, consumed, or lost****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 202 Format: Numeric

**TOT\_VAL\_MILK: Total value of milk****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 8000 Format: Numeric

**TOT\_VAL\_MILK2: Total value of milk****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0.0999999940395355 - 8000 Format: Numeric

**TOT\_FERM\_MILKLITRE\_SOLD: Total litres of fermented milk sold (yesterday)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 15    Format: Numeric

**ME\_FERM\_MILK\_PRICE: Average price per litre of fermented milk (morning and evening)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 75    Format: Numeric

**DAIRYG\_FERM\_MILKPRICE: Median price of fermented milk within a dairy group****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 75    Format: Numeric

**FEMALE\_MANAGES\_FERMMILK\_SALE: Household female manages money from fermented milk sold in the morning or evening****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**TOT\_FERM\_MILK\_SCL: Total litres of fermented milk sold, consumed, or lost****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 15    Format: Numeric

**TOT\_VAL\_FERM\_MILK: Total value of fermented milk****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 550    Format: Numeric

**Q8A1: Consumed cereals/grains in the last 7 days****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8B1: Consumed potatoes/yams/cassava in the last 7 days****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8C1: Consumed vegetables in the last 7 days****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8D1: Consumed fruits in the last 7 days****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8E1: Consumed beans/peas/lentils/nuts in the last 7 days****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8F1: Consumed red meats/other organ meats in the last 7 days****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8G1: Consumed poultry in the last 7 days****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8H1: Consumed eggs in the last 7 days****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8I1: Consumed fresh/dried fish/shellfish in the last 7 days****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8J1: Consumed milk/cheese/yogurt/other milk product in the last 7 days****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8K1: Consumed oils and fats product in the last 7 days****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8L1: Consumed sweets/sugar/honey in the last 7 days****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q8M1: Q8M1- In the last 7 days have you or anyone in your household consumed Any other****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**QK\_HDDS: household dietary diversity score (HDDS)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 13    Format: Numeric

**Q8A2: Consumed cereals/grains in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q8B2: Consumed potatoes/yams/cassava in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q8C2: Consumed vegetables in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q8D2: Consumed fruits in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8E2: Consumed beans/peas/lentils/nuts in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8F2: Consumed red meats/other organ meats in the 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8G2: Consumed poultry in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8H2: Consumed eggs in the last 24 hours****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8I2: Consumed fresh/dried fish/shellfish in the 24 hours****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8J2: Consumed milk/cheese/yogurt/other milk product in the last 24 hours****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8K2: Consumed oils and fats product in the last 24 hours****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8L2: Consumed sweets/sugar/honey in the last 24 hours****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q8M2: Consumed condiments/coffee/tea including milk in tea in the last 24 hours****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q9\_1: Household owns asset: Plough****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric



**Q9\_2: Household owns asset: Animal cart****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_3: Household owns asset: Wheelbarrow****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_4: Household owns asset: Planter****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_5: Household owns asset: Knapsack sprayer****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_6: Household owns asset: Motorized sprayer****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_7: Household owns asset: Thresher****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_8: Household owns asset: Grinder****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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**Q9\_9: Household owns asset: Hand Hammer Mill****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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**Q9\_10: Household owns asset: Grinding Hammer Mill (Powered)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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**Q9\_11: Household owns asset: Rump Presses/Oil Expeller****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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**Q9\_12: Household owns asset: Sheller****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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**Q9\_13: Household owns asset: Watering can****Data file:** anon\_analysis\_11

**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_14: Household owns asset: Hoe Jembe****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_15: Household owns asset: Machete (Panga)****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_16: Household owns asset: Axe****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_17: Household owns asset: Sickle****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_18: Household owns asset: Cattle Pen****Data file: anon\_analysis\_11****Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_19: Household owns asset: Trough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_20: Household owns asset: Pick****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_21: Household owns asset: Hammer****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_22: Household owns asset: Shovel/Spade****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_23: Household owns asset: Hand saw****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_27: Household owns asset: Small/Hand Driven Tractor****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Q9\_28: Household owns asset: 4-Wheel Tractor****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q9\_29: Household owns asset: Chaff cutter****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q9\_30: Household owns asset: Greenhouse****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q9\_31: Household owns asset: Irrigation equipment****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q9\_32: Household owns asset: Water tank****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Q9\_65: Household owns asset: Goat****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**CONSUMER\_DURABLE\_INDEX: Consumer Durables Index**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -1.64984261989594 - 8.03704643249512 Format: Numeric

**AG\_IMPLEMENTED\_INDEX: Agricultural Implements Index**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -1.90080535411835 - 7.74765729904175 Format: Numeric

**SELF\_ASSESSED\_POVERTY\_1: Households consider themselves: better off**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**SELF\_ASSESSED\_POVERTY\_2: Households consider themselves: the same**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**SELF\_ASSESSED\_POVERTY\_3: Households consider themselves: worse off**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**SELF\_ASSESSED\_POVERTY\_4: Households consider themselves: not applicable****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**N\_MEALS\_1: Number of meals (excluding snacks) in a day: one****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**N\_MEALS\_2: Number of meals (excluding snacks) in a day: two****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**N\_MEALS\_3: Number of meals (excluding snacks) in a day: three****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**N\_MEALS\_4: Number of meals (excluding snacks) in a day: more than three****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_1: Number of times household ate meat/fish in the last month: zero****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_2: Number of times household ate meat/fish in the last month: once****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_3: Number of times household ate meat/fish in the last month: twice****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_4: Number of times household ate meat/fish in the last month: thrice****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_5: Number of times household ate meat/fish in the last month: four times****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_6: Number of times household ate meat/fish in the last month: five times****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_FISH\_7: Number of times household ate meat/fish in the last month: more than five times****Data file:** anon\_analysis\_11



**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_VEGGIE\_1: Number of times household ate vegetables in the last month: zero****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_VEGGIE\_2: Number of times household ate vegetables in the last month: once****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_VEGGIE\_3: Number of times household ate vegetables in the last month: twice****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_VEGGIE\_4: Number of times household ate vegetables in the last month: thrice****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_VEGGIE\_5: Number of times household ate vegetables in the last month: four times****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NTIMES\_VEGGIE\_6: Number of times household ate vegetables in the last month: five times****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**NTIMES\_VEGGIE\_7: Number of times household ate vegetables in the last month: more than five times****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FEWERMEAL\_1: Household never had to eat fewer meals in a day because food wasn't enough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FEWERMEAL\_2: Household rarely had to eat fewer meals in a day because food wasn't enough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FEWERMEAL\_3: Household sometimes had to eat fewer meals in a day because food wasn't enough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FEWERMEAL\_4: Household often had to eat fewer meals in a day because food wasn't enough****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NOFOOD\_1: Household never had no food to eat because of lack of resources****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NOFOOD\_2: Household rarely had no food to eat because of lack of resources****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NOFOOD\_3: Household sometimes had no food to eat because of lack of resources****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**NOFOOD\_4: Household often had no food to eat because of lack of resources****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**SLEPTHUNGRY\_1: Household never had to sleep hungry at night because food wasn't enough****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**SLEPTHUNGRY\_2: Household rarely had to sleep hungry at night because food wasn't enough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**SLEPTHUNGRY\_3: Household sometimes had to sleep hungry at night because food wasn't enough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**SLEPTHUNGRY\_4: Household often had to sleep hungry at night because food wasn't enough****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**DAYNIGHT\_HUNGRY\_1: Household never had to go a whole day and night without eating anything****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**DAYNIGHT\_HUNGRY\_2: Household rarely had to go a whole day and night without eating anything****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**DAYNIGHT\_HUNGRY\_3: Household sometimes had to go a whole day and night without eating anything****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**DAYNIGHT\_HUNGRY\_4: Household often had to go a whole day and night without eating anything****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**RESP\_FEMPCT: Pct of DG Respondents that are Female****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**LEADER\_EDAVG: Average Years of Education of DG Leaders****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 20.6666660308838 Format: Numeric

**MEET\_MONTHLY: Dairy Group Meets At Least Monthly (excl. weekly)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**COMMITTEE\_ANY: Dairy Group has Any Committee****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**CONFLICT\_TYPE1: DG Experienced Conflict Related To Unpaid Dues****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**CONFLICT\_TYPE2: DG Experienced Conflict Related To Amount of Dues****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**CONFLICT\_TYPE3: DG Experienced Conflict Related To Participation in Trainings****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**CONFLICT\_TYPE4: DG Experienced Conflict Related To Participation in Educational Tours****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 0    Format: Numeric

**CONFLICT\_TYPE5: DG Experienced Conflict Related To Financing****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**CONFLICT\_TYPE6: DG Experienced Conflict Related To Organizational or Management****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FINANCE\_TYPE1: Dairy Group Receives Finance From****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FINANCE\_TYPE2: Dairy Group Receives Finance From****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FINANCE\_TYPE4: Dairy Group Receives Finance From****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**FINANCE\_TYPE3: Dairy Group Receives Finance From Savings Associations / Other, Specify (omit)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**TRAINING\_ACCESSANY: DG Accessed Any Training****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**TRAINING\_ACCESSEXT: DG Accessed Any External Training****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**COMORG\_TYPE2: Community has Agricultural Coop**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**COMORG\_TYPE4: Community has Farmers' Group**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**COMORG\_TYPE5: Community has Savings & Credit Coop**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**COMPROJ\_ANY: Community has Any Agriculture-Based Project Other Than SDCP**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**COMPROJ\_AGFOCUS: Any Project in Community is Focused on Agriculture**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric



**COMPROJ\_LSFOCUS: Any Project in Community is Focused on Livestock****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**COM\_ROADIMP: Community Main Road is Tar/Asphalt or Graded/Graveled****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**COM\_WEEKLYMKT: Community has a Weekly Market****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**COM\_CLINIC: Community has a Health Clinic****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**COM\_DISTMPESA: Distance to Nearest M-PESA Agent (meters)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0.5 - 20000    Format: Numeric

**SUM\_HOUSEH: sum of households in division****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 8    Range: 510.385009765625 - 3162.84594726562    Format: Numeric

**WTANYDAIRY: % of cattle households****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.708999991416931 - 0.783999979496002 Format: Numeric

**PRTCOW\_GRA: Proportion of cows by genotype in dairy households****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.483999997377396 - 0.629999995231628 Format: Numeric

**PRTCOW\_CRO: Proportion of cows by genotype in dairy households****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.425999999046326 - 0.626500010490418 Format: Numeric

**PRTCOW\_ZEB: Proportion of cows by genotype in dairy households****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.358999997377396 - 0.453999996185303 Format: Numeric

**PROJCROSS: No of households \* % of cattle households \* average number of cattle (CROSS)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 547.713012695312 - 2811.9619140625 Format: Numeric

**PROJGRADE: No of households \* % of cattle households \* average number of cattle (GRADE)****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 249.345993041992 - 2070.181640625 Format: Numeric

**PROJZEBU: No of households \* % of cattle households \* average number of cattle (ZEBU)**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 309.656005859375 - 2242.7734375 Format: Numeric

**MILK\_DENSI: Milk density in litres per square kilometres per year used by ILRI**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 50917.2890625 - 111907.4375 Format: Numeric

**MILK\_DENS1: Milk density in litres per square kilometres per year**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 54029.69921875 - 116854.34375 Format: Numeric

**AREA\_KM2: Area of division in square kilometres**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 77.7529983520508 - 595.888977050781 Format: Numeric

**POOR\_PEOP: Proportion of poor people**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.384999990463257 - 0.646000027656555 Format: Numeric

**TRAVCOOL: Travel time (in hours) to the nearest cooling center****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.105800002813339 - 1.22549998760223 Format: Numeric

**TRAVURBS: Travel time (in hours) to the nearest urban center****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 8 Range: 0.156000003218651 - 0.737500011920929 Format: Numeric

**TREAT:****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**HA\_PS: Hectares Cultivated Primary Season****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 10.1171407699585 Format: Numeric

**LNHA\_PS: In(Hectares Cultivated Primary Season)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -2.29093909263611 - 2.31423115730286 Format: Numeric

**HA\_SS: Hectares Cultivated Secondary Season****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 10.1171407699585 Format: Numeric

**LNHA\_SS: In(Hectares Cultivated Secondary Season)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -2.29093909263611 - 2.31423115730286 Format: Numeric

**HA\_BOTH: Hectares Cultivated (Sum of Both Seasons)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0.101171411573887 - 20.234281539917 Format: Numeric

**LNHA\_BOTH: In(Hectares Cultivated (Sum of Both Seasons))****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -2.29093909263611 - 3.00737833976746 Format: Numeric

**HA: Hectares Cultivated (Any Cultivation in Either Season)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0.101171411573887 - 10.1171407699585 Format: Numeric

**LNHA: In(Hectares Cultivated (Any Cultivation in Either Season))****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: -2.29093909263611 - 2.31423115730286 Format: Numeric

**PCTPLOTDM\_MAL: Proportion Plot Decision-Maker, Male****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTDM\_FEM: Proportion Plot Decision-Maker, Female****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTDM\_MIX: Proportion Plot Decision-Maker, Joint Male & Female****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTDM\_NON: Proportion Plot Decision-Maker, a Non-Household Member****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTOWNED: Proportion Plot, Held on a Permanent or Semi-permanent basis****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTSOIL\_SAND: Proportion Plot Soil, Primarily Sandy****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTSOIL\_MIX: Proportion Plot Soil, Primarily Between Sand & Clay****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**PCTPLOTSOIL\_CLAY: Proportion Plot Soil, Primarily Clay****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**PCTPLOTSOIL\_VRED: Proportion Plot Soil, Primarily Red Volcanic****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**PCTPLOTSLOPE\_FLAT: Proportion Plot Slope, Flat****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**PCTPLOTSLOPE\_SLIGHT: Proportion Plot Slope, Slight****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**PCTPLOTSLOPE\_MEDIUM: Proportion Plot Slope, Moderate****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

**PCTPLOTSLOPE\_STEEP: Proportion Plot Slope, Steep or Hilly****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOT\_WETLAND: Proportion Plot, swamp/wetland****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTIRRIG\_ANY: Proportion Plot, any system of irrigation****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PCTPLOTIRRIG\_STRUCTURE: Proportion Plot, any irrigation structure****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**GREWANY: HH Cultivated Any Crop in Either Season****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 1 - 1 Format: Numeric

**GREWANY\_PS: HH Cultivated Any Crop in Primary Season****Data file:** anon\_analysis\_11



**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**GREWANY\_SS: HH Cultivated Any Crop in Secondary Season****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTDM\_MAL: Any Plot Decision-Maker is Male****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTDM\_FEM: Any Plot Decision-Maker is Female****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTDM\_MIX: Any Plot Decision-Maker is Joint Male & Female****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTDM\_NON: Any Plot Decision-Maker is a Non-Household Member****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTOWNED: Any Plot is Held on a Permanent or Semi-permanent basis****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**PLOTSOIL\_SAND: Any Plot Soil is Primarily Sandy****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTSOIL\_MIX: Any Plot Soil is Primarily Between Sand & Clay****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTSOIL\_CLAY: Any Plot Soil is Primarily Clay****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTSOIL\_VRED: Any Plot Soil is Primarily Red Volcanic****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTSLOPE\_FLAT: Any Plot Slope is Flat****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 1 Format: Numeric

**PLOTSLOPE\_SLIGHT: Any Plot Slope is Slight****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

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**PLOTSLOPE\_MEDIUM: Any Plot Slope is Moderate****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

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**PLOTSLOPE\_STEEP: Any Plot Slope is Steep or Hilly****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

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**PLOT\_WETLAND: Any Plot is swamp/wetland****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 9    Range: 0 - 1    Format: Numeric

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**PLOTIRRIG\_ANY: Any Plot has any system of irrigation****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

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**PLOTIRRIG\_STRUCTURE: Any Plot has any irrigation structure****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**YIELD\_MAIZE\_PS: Maize Yield in Primary Season (kg/ha)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 5559.87109375 Format: Numeric

**LN\_YIELD\_MAIZE\_PS: ln(Maize Yield in Primary Season (kg/ha) + 1)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 8.62351036071777 Format: Numeric

**QUANT\_MAIZE\_PS: Maize Harvest Quantity in Primary Season (kg/ha)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 12600 Format: Numeric

**LN\_QUANT\_MAIZE\_PS: ln(Maize Harvest Quantity in Primary Season (kg/ha) + 1)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 9.44153118133545 Format: Numeric

**YIELD\_GRASS\_PS: Fodder Grass Yield in Primary Season (kg/ha)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 148263.234375 Format: Numeric

**LN\_YIELD\_GRASS\_PS: ln(Fodder Grass Yield in Primary Season (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 11.9067516326904    Format: Numeric

**QUANT\_GRASS\_PS: Fodder Grass Harvest Quantity in Primary Season (kg/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 280000    Format: Numeric

**LN\_QUANT\_GRASS\_PS: ln(Fodder Grass Harvest Quantity in Primary Season (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 12.5425481796265    Format: Numeric

**YIELD\_MAIZE\_SS: Maize Yield in Secondary Season (kg/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 5003.8837890625    Format: Numeric

**LN\_YIELD\_MAIZE\_SS: ln(Maize Yield in Secondary Season (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 8.51816940307617    Format: Numeric

**QUANT\_MAIZE\_SS: Maize Harvest Quantity in Secondary Season (kg/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 8100    Format: Numeric

**LNQUANT\_MAIZE\_SS: In(Maize Harvest Quantity in Secondary Season (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 8.99974250793457 Format: Numeric

**YIELD\_GRASS\_SS: Fodder Grass Yield in Secondary Season (kg/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 56834.234375 Format: Numeric

**LNFIELD\_GRASS\_SS: In(Fodder Grass Yield in Secondary Season (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 10.9479112625122 Format: Numeric

**QUANT\_GRASS\_SS: Fodder Grass Harvest Quantity in Secondary Season (kg/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 39000 Format: Numeric

**LNQUANT\_GRASS\_SS: In(Fodder Grass Harvest Quantity in Secondary Season (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 10.5713424682617 Format: Numeric

**YIELD\_MAIZE: Maize Yield (kg/ha)****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 6227.0556640625 Format: Numeric

**■ LNYIELD\_MAIZE: In(Maize Yield (kg/ha) + 1)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 8.73681926727295 Format: Numeric

**■ QUANT\_MAIZE: Maize Harvest Quantity (kg/ha)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 18900 Format: Numeric

**■ LNQUANT\_MAIZE: In(Maize Harvest Quantity (kg/ha) + 1)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 9.8469705581665 Format: Numeric

**■ YIELD\_GRASS: Fodder Grass Yield (kg/ha)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 148263.234375 Format: Numeric

**■ LNYIELD\_GRASS: In(Fodder Grass Yield (kg/ha) + 1)****Data file: anon\_analysis\_11****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 11.9067516326904 Format: Numeric

**QUANT\_GRASS: Fodder Grass Harvest Quantity (kg/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 280000    Format: Numeric

**LNQUANT\_GRASS: ln(Fodder Grass Harvest Quantity (kg/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 12.5425481796265    Format: Numeric

**VALHA\_PS: Crop Production Value per Hectare in Primary Season (KES/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 555169.625    Format: Numeric

**LNVALHA\_PS: ln(Crop Production Value per Hectare in Primary Season (KES/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 13.2270307540894    Format: Numeric

**VALUE\_PS: Crop Production Value in Primary Season (KES/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 781739.1875    Format: Numeric

**LNVALUE\_PS: ln(Crop Production Value in Primary Season (KES/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0    Invalid: 0

Type: Continuous    Decimal: 0    Width: 9    Range: 0 - 13.5692777633667    Format: Numeric



**VALHA\_SS: Crop Production Value per Hectare in Secondary Season (KES/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 434364.9375 Format: Numeric

**LNVALHA\_SS: In(Crop Production Value per Hectare in Secondary Season (KES/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 12.9816427230835 Format: Numeric

**VALUE\_SS: Crop Production Value in Secondary Season (KES/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 673200.0625 Format: Numeric

**LNVALUE\_SS: In(Crop Production Value in Secondary Season (KES/ha) + 1)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 13.4197988510132 Format: Numeric

**VALHA: Crop Production Value per Hectare Total (KES/ha)****Data file:** anon\_analysis\_11**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 761772.125 Format: Numeric

**LNVALHA: In(Crop Production Value per Hectare Total (KES/ha) + 1)****Data file:** anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 13.5434036254883 Format: Numeric

**VALUE: Crop Production Value Total (KES/ha)**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 1346400.125 Format: Numeric

**LNVALUE: In(Crop Production Value Total (KES/ha) + 1)**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 9 Range: 0 - 14.1129455566406 Format: Numeric

**VILLAGE: Village**

Data file: anon\_analysis\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 19 Range: 1 - 428 Format: Numeric

**SBJNUM: SbjNum****Data file:** anon\_hhroster\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Width: 8    Range: -    Format: character

**CATEGORY: Treatment or control****Data file:** anon\_hhroster\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	Control
1	Treatment

**COUNTY: County****Data file:** anon\_hhroster\_11**Overview**

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 1 - 4    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Bomet
2	Nakuru
3	Kakamega
4	Bungoma

**DIVISION: Division****Data file:** anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 10 Range: 23 - 504 Format: Numeric

**VILLAGE: Village**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 19 Range: 1 - 428 Format: Numeric

**Q1: Q1. Does anyone in this household conduct dairy farming activities on owned or r**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q2: Q2. Are you the person in this household who is mainly responsible for the dairy**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No-Thank respondent for his/her time and ask who is mainly r
1	Yes

**Q2\_OTHER: Q2. Are you the person in this household who is mainly responsible for the dairy****Data file: anon\_hhroster\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 63 Range: - Format: character

**Q3: Q3. Do you currently belong to a registered self-help group that has a dairy as****Data file: anon\_hhroster\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q4: Q4. Do you currently have at least one plot that is greater than ¼ of an acre (e****Data file: anon\_hhroster\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	No
1	Yes

**Q5: Q5. In 2008, the year after the elections, as far as you can remember, did you h****Data file: anon\_hhroster\_11****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
1	Yes
2	No I had more than 5

**Q6: Q6. In 2008, the year after the elections, as far as you can remember, did you h**

Data file: anon\_hhroster\_11

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

### Questions and instructions

### CATEGORIES

Value	Category
0	No I had more than 5
1	Yes

**Q7: Q7. In 2008, the year after the elections, as far as you can remember, did you c**

Data file: anon\_hhroster\_11

### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

### Questions and instructions

### CATEGORIES

Value	Category
0	No
1	Yes

**Q8: Q8. In 2008, the year after the elections, as far as you can remember, did you**

Data file: anon\_hhroster\_11

### Overview

Valid: 0 Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
0	No
1	Yes

## Q10: Q10. Have you heard of the International Fund for Agricultural Development also

Data file: anon\_hhroster\_11

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
0	No
1	Yes

## Q11: Q11. Are you willing to take part in the survey?

Data file: anon\_hhroster\_11

### Overview

Valid: 0    Invalid: 0

Type: Discrete    Decimal: 0    Width: 8    Range: 0 - 1    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category
0	No
1	Yes

## Q\_34: Outcome of final visit:

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 4 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Completed
2	No member at home or no competent respondent
3	Refused
4	Refused to complete midway through interview

**Q\_1108: How many times have you had to visit before completing the interview**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 3 Format: Numeric

**Q\_1109: Main language used by enumerator in this interview**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Kiswahili
2	English
3	Luhya
4	Kalenjin
5	Kikuyu
6	Other, specify

**Q\_1109\_S: Main language used by enumerator in this interview [Other (specify)]**

Data file: anon\_hhroster\_11



**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 21 Range: - Format: character

**Q\_1110: Main language used by respondent in this interview**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Kiswahili
2	English
3	Luhya
4	Kalenjin
5	Kikuyu
6	Other, specify

**Q\_1110\_S: Main language used by respondent in this interview [Other (specify)]**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 21 Range: - Format: character

**Q1\_2: Q1.2 How old is ...?**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 10 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	[0,5]

2	(5,10]
3	(10,15]
4	(15,25]
5	(25,35]
6	(35, 45]
7	(45, 55]
8	(55,65]
9	(65,75]
10	+75

### Q1\_3: Q1.3 What is ... gender

Data file: anon\_hhroster\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 1 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
0	Male
1	Female

### Q1\_4: Q1.4 What is ... relationship to head?

Data file: anon\_hhroster\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 16 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Head
2	Spouse
3	Own biological child
4	Stepchild
5	Adopted child

6	Grandchild
7	Son-in-law/daughter-in-law
8	Parent
9	Parent-in-law
10	Brother/sister
11	Bother-in-law/sister-in-law
12	Cousin
13	Nephew/niece
14	Other relative
15	Maid/nanny/servant
16	Non-relative

### Q1\_5: Q1.5 What is ... marital status?

Data file: anon\_hhroster\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 1 - 5 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Never married
2	Married
3	Cohabiting
4	Divorced
5	Widowed

### Q1\_6: Q1.6 In the last 12 months, how many months has ... been away from the household

Data file: anon\_hhroster\_11

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 0 - 12 Format: Numeric

### Q1\_7: Q1.7 Has ... ever attended school or is ... currently attending?

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	Never attended
1	Previously attended
2	Currently attending

**Q1\_8: Q1.8 What is the highest grade that ... has completed?**

Data file: anon\_hhroster\_11

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 8 Range: 0 - 98 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
0	Nursery
1	Std 1
2	Std 2
3	Std 3
4	Std 4
5	Std 5
6	Std 6
7	Std 7
8	Std 8
9	Form 1
10	Form 2
11	Form 3
12	Form 4
13	Form 5
14	Form 6
15	Tech/Voc/Commercial College
16	University

17	Other
18	None
98	dk

## Q1\_9: Q1.9 How many years of schooling has ... completed?

Data file: anon\_hhroster\_11

### Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 99 Format: Numeric

# study\_resources

## questionnaires

### Kenya, Smallholder Dairy Commercialization Programme, Household Dairy Questionnaire

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title Kenya, Smallholder Dairy Commercialization Programme, Household Dairy Questionnaire  
 country Kenya  
 language English  
 filename KE\_SDCP\_HH Qx.pdf

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## reports

### Impact evaluation of the smallholder dairy commercialization programme in Kenya

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title Impact evaluation of the smallholder dairy commercialization programme in Kenya  
 authors Juan Bonilla, American Institutes for Research (AIR) Nancy McCarthy, AIR Simon Mugatha, AIR Nisha Rai, AIR Andrea Coombes, AIR Joshua Brubaker, AIR Grantee Final  
 country Kenya  
 language English  
 filename KE\_SCDP\_IA report.pdf

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## technical\_documents

### Key results of SDCP impact assessment

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title Key results of SDCP impact assessment  
 country Kenya  
 language English  
 filename KE\_SDCP\_IA infographic.pdf

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### Kenya, Smallholder Dairy Commercialization Programme (SDCP), Impact Brief

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title Kenya, Smallholder Dairy Commercialization Programme (SDCP), Impact Brief  
 country Kenya  
 language English  
 filename KE\_SDCP\_IA brief.pdf

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