Human\_data.csv

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Description** | **Categories** |
| HomesteadID | Homestead ID |  |
| HumanID | Individual ID |  |
| Age | Age group | 5 to 9  10 to 14  15 to 19  20 to 24  25 to 29  30 to 34  35 to 39  40 to 44  45 to 49  50 to 54  55 to 59  60 to 64  65 to 69  70 to 74  75 to 79  80 to 84  85+ |
| Sex | Gender | Male  Female |
| H\_Qfever | Result of Q Fever ELISA | 0 = negative  1 = positive  NA = not tested |
| EthnicGroup | Ethnic group | Japadhola  Kalenjin  Kikuyu  Kisii  Kuria  Luhya  Luo  Muganda  Pokot  Saboat  Samia  Teso  Turkana  Ugandan |
| Religion | Religion | Baptist  Muslim  Pentacostal  Protestant  Roman Catholic  Other Christian  Tribal religion  Other  None |
| Education | Level of education attained | No formal education  Pre-school  Primary  Secondary  College  Tertiary  Vocational/technical school  University |
| Occupation | Primary occupation | Farming  Fishing  Parent/housework  Student  Trader  Tradesperson  None  Other |
| Grazing | Frequency involved in grazing livestock | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Feeding\_livestock | Frequency involved in feeding livestock | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Milking\_cattle | Frequency involved in milking cattle | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Animal\_births | Frequency involved in animal births | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Animal\_abortus | Frequency involved in handling animal abortus | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Animal\_slaughter | Frequency involved in animal slaughter | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Animal\_manure | Frequency involved in dealing with animal manure | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Animal\_skinning | Frequency involved in animal skinning | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Animal\_burying | Frequency involved in burying dead animals | At least once a month  At least once a year  At least once per week  Daily  NA  No  Used to but not any more |
| Livestock\_in\_buildings | Animals present in building used for sleeping | Yes  No |
| Cow\_milk | Drink cow’s milk | Yes  No |
| Goat\_milk | Drink goat’s milk | Yes  No |
| Cattle | Keep cattle | Yes  No |
| Sheep | Keep sheep | Yes  No |
| Goats | Keep goats | Yes  No |
| Abortion\_herd | History of abortion in herd | Yes  No  No livestock  NA |
| CattleQfever | Ownership of at least one seropositive cow | Yes  No  NA |
| WaterDist | Distance to water |  |
| FloodDist | Distance to flooding land |  |
| CropGrass | % land agricultural and grassland |  |
| Flooding | % land flooding |  |
| FloodingCropGrass | % land flooding agricultural and grassland |  |
| Swamp | % land swamp |  |
| TreeShrub | % land woodland and shrubs |  |
| Vegetated | % land vegetated |  |
| Waterbody | % land water body |  |
| TMean1 | Mean temperature (°C x 10) |  |
| Precipitation1 | Annual precipitation (mm) |  |
| Elevation2 | Elevation (m) |  |
| PopDens3 | Population density (persons per hectare) |  |

Cattle\_data.csv

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Description** | **Categories** |
| HomesteadID | Homestead ID |  |
| CattleID | Individual (cow) ID |  |
| C\_Qfever | Result of Q Fever ELISA | 0 = negative  1 = positive |
| HumanN | Number of human inhabitants |  |
| count\_cattle | Number of cattle |  |
| Sheep | Sheep ownership | No  Yes |
| Goats | Goat ownership | No  Yes |
| Abortion\_herd | History of abortion in herd | Yes  No |
| Cattle\_herded\_shoats | Cattle herded with sheep and goats | Yes  No |
| Cattle\_feed\_dry | Herding practice (dry season) | Free (communal) grazing  Herded as single herd  Herded with other herds  Tethered  Zero grazing |
| Cattle\_feed\_wet | Herding practice (wet season) | Free (communal) grazing  Herded as single herd  Herded with other herds  Tethered  Zero grazing |
| Breed | Breed | Grade  Local x grade  Zebu  Shorthorn-Zebu  Shorthorn |
| Origin | Origin of animal | Bred on homestead  From a market  From another homestead in this village  From another homestead outside this village  Other |
| Sex | Gender | Female  Male |
| Calved | Previously calved | Yes  No  NA (male)  Unknown |
| Milk | Provides milk for household | Yes  No  Unknown  NA (male) |
| Abortion | History of abortion | Yes  No  Unknown  NA (male) |
| Hqfever | At least one seropositive human in household | 0 (no)  1 (yes)  NA |
| WaterDist | Distance to water |  |
| FloodDist | Distance to flooding land |  |
| CropGrass | % land agricultural and grassland |  |
| Flooding | % land flooding |  |
| FloodingCropGrass | % land flooding agricultural and grassland |  |
| Swamp | % land swamp |  |
| TreeShrub | % land woodland and shrubs |  |
| Vegetated | % land vegetated |  |
| Waterbody | % land water body |  |
| TMean1 | Mean temperature (°C x 10) |  |
| Precipitation1 | Annual precipitation (mm) |  |
| Elevation2 | Elevation (m) |  |
| PopDens3 | Population density (persons per hectare) |  |

1. Hijmans RJ, Cameron SE, Parra JL, Jones PG, Jarvis A. Very high resolution interpolated climate surfaces for global land areas. International Journal of Climatology. 2005;25:1965-78.
2. Jarvis A, Reuter HI, Nelson A, Guevara E. Hole-filled seamless SRTM data V4. available from <http://srtm.csi.cgiar.org:> International Centre for Tropical Agriculture (CIAT); 2008.
3. Worldpop alpha version 2010 estimates of numbers of people per grid square. <http://www.worldpop.org.uk/data/summary/?contselect=Africa&countselect=Kenya&typeselect=Population2010>