

ReadMe File to support dataset:

Contact: Rebecca Bodenham (Rebecca.Bodenham@glasgow.ac.uk)

Project title: Latent class evaluation of the performance of serological tests for exposure to *Brucella* spp. in cattle, sheep, and goats in Tanzania

Funders:

BBSRC (BB/L018845)

BBSRC (BB/L017679)

BBSRC (BB/L018926)

BBSRC (BB/S013857)

BBSRC (BB/N503563/1)

US National Institutes of Health (R01TW009237)

BBSRC (BB/J010367)

US National Institutes of Health (R01AI121378)

BBSRC (BBS/E/D/20002172)

The three excel files described below contain all of the data fields included in the analyses presented in the paper, except for any fields where inclusion might compromise subject anonymity. Further description of all data fields are given in the main text.

Each of the three excel files contain the same data fields at the level of cattle, sheep, or goats:

Bodenhametal2021_PLOSNTDs_BrucellaLCA_CattleData_2021-02-16.csv

Bodenhametal2021_PLOSNTDs_BrucellaLCA_SheepData_2021-02-16.csv

Bodenhametal2021_PLOSNTDs_BrucellaLCA_GoatData_2021-02-16.csv

Each of these excel files contain the following metadata:

- 'IndID': A unique study ID for each of the animal subjects
- 'HHID': A household study ID assigning each animal subject to a household
- 'sex': The recorded sex for an animal subject
- 'age': The recorded age for an animal subject, classified as either adult or juvenile
- 'breed': The recorded breed for an animal subject, classified as either indigenous, exotic, or cross
- 'subpop': The designated subpopulation classification for each animal subject, classified as either pastoralist (P) or non-pastoralist (O)
- 'celisa_result': The cELISA test result for an animal subject, positive (1) or negative (0)
- 'rbt_result': The RBT test result for an animal subject, positive (1) or negative (0)