* You are provided with a subset of a dataset obtained from a randomized control trial with three study arms. The study aims to determine the impact of two interventions delivered at household level on nutritional outcomes of children.
  + Study arm 1: Households received livestock feed
  + Study arm 2: Households received enhanced nutritional counseling in addition to the livestock feed
  + Study arm 3: Control arm households
* You can access the data using this link: <https://github.com/cema-uonbi/L4H_sample_data.git>

(Hint: In case you are not familiar with Github, click code, local then download zip.

* + Import the data
  + Clean the column names of each dataset using function clean\_names from the package janitor
  + Filter data in baseline household data where the hh\_eligible is 1 (use the data\_dictionary to check what that stands for)
  + Merge the datasets
    - To do this, use number (in baseline individual data) and number\_\_0 (in baseline mother data) to merge these data then,
    - Use the household\_id to merge the data above with baseline household data
  + Use the data dictionary (location - <https://github.com/cema-uonbi/L4H_sample_data.git>) to recode the following variables:
    - Reason\_for\_eligibility
    - Rspntgndr
    - H\_hfrml\_eductn
    - Rspndtmarital
    - Rspndt\_eductn
    - Maincme
  + Separate the following variables:
    - lvstckown using space as a separator
    - herdynamics using space as a separator
  + Create a new column called study\_arm and assign the values for each row of data to either Study arm 1, study arm 2 or Study arm 3 based on column named **villages** as below:
    - **Study arm 1:** Lependera, Gobb Arbelle, Nahgan-ngusa, Sulate, Saale-Sambakah, Namarei, Manyatta Lengima, Lokoshula, TubchaDakhane, Rengumo-Gargule
    - **Study arm 2:** Galthelian-Torrder, Uyam  village, Galthelan Elemo, Nebey, Rongumo\_kurkum, Urawen\_Kurkum, Eisimatacho, Manyatta K.A.G, Ltepes Ooodo, Lorokushu, Marti, Manyatta Juu West/East, Lbaarok1
    - **Study arm 3:** All the other villages
  + Create an object named herd\_dynamics that has the following column names **interview\_date, household\_id, study\_arm, cwsbrth, shpbrth, goatsbrth, cmlsbrth, calves\_death, bulls\_death, cows\_death, sheep\_death, msheep\_death, fsheep\_death, goats\_death, mgoats\_death, fgoats\_death, camels\_death, mcamels\_death, fcamels\_death, cowsgft, sheepgfts, goatsgft and cmlsgft variables.**
    - Create a new column named monthyear from the variable interview\_date that has only month and year (e.g., 2019-12-28 to 2019-12)
    - For each study\_arm, and for each monthyear, calculate the number of animals born, died, gifted and given out for each species (cows, sheep, goats and camels) regardless of age or sex of animal
    - Create a subset of the dataset with the following variables: study arm, monthyear, columns of cows, sheep, goats and camels births, deaths, gifts and given away, which have been calculated above. Ensure you remove duplicates in the data.