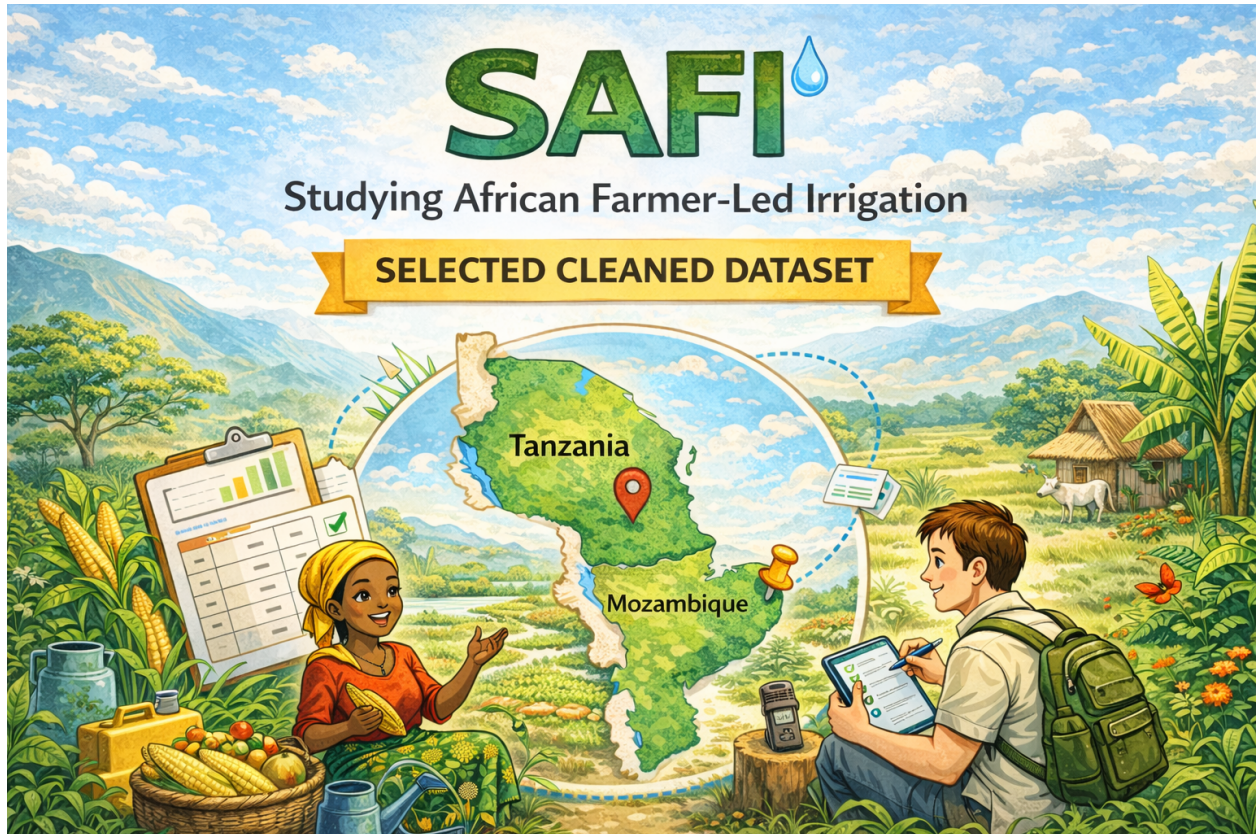


# Winter school of System Analysis and AI

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## Introduction

This report uses the **tidyverse** package along with the *SAFI* dataset, which has columns that include:

- village
  - Name of village
- interview\_date
  - Date of interview
- no\_members
  - How many family members lived in a house
- years\_liv
  - How many years respondent has lived in village or neighbouring village
- respondent\_wall\_type
  - Type of wall of house
- rooms
  - Number of rooms in house

Table 1: We can also add a caption.

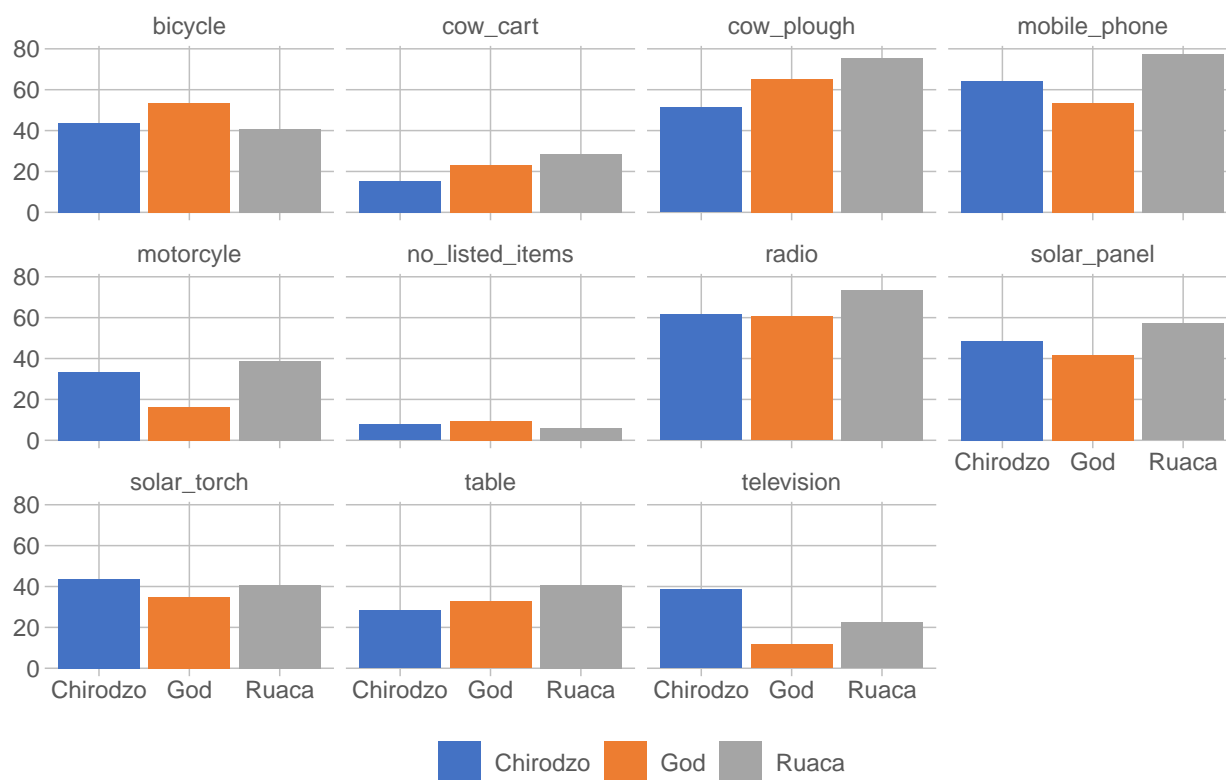
Village	Member Association	Mean Number of Members
Chirodzo	no	8.062500
Chirodzo	yes	7.818182
God	no	7.133333
God	yes	8.000000
Ruaca	no	7.178571
Ruaca	yes	9.500000

Text text

```
## Rows: 131 Columns: 45
## -- Column specification -----
## Delimiter: ","
## chr   (5): village, respondent_wall_type, memb_assoc, affect_conflicts, inst...
## dbl   (8): key_ID, no_membrs, years_liv, rooms, liv_count, no_meals, number...
## lgl   (31): bicycle, television, solar_panel, table, cow_cart, radio, cow_plo...
## dtm   (1): interview_date
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.

## # A tibble: 33 x 3
##   village items      percent
##   <chr>   <chr>      <dbl>
## 1 Chirodzo bicycle      43.6
## 2 Chirodzo television    38.5
## 3 Chirodzo solar_panel   48.7
## 4 Chirodzo table        28.2
## 5 Chirodzo cow_cart     15.4
## 6 Chirodzo radio        61.5
## 7 Chirodzo cow_plough   51.3
## 8 Chirodzo solar_torch   43.6
## 9 Chirodzo mobile_phone  64.1
## 10 Chirodzo motorcyle    33.3
## # i 23 more rows
```

## Percent of respondents in each village who owned each item



```
data <- interviews |>
  select(village) |>
  group_by(village) |>
  summarise(count = n())
data
```

```
## # A tibble: 3 x 2
##   village count
##   <chr>   <int>
## 1 Chirodzo    39
## 2 God         43
## 3 Ruaca       49
```

In village **Chirodzo** live 39 people.