Descriptive statistics

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rm(list=ls())

## Importing library

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### List of required packages  
required\_packages <- c("tidyverse","janitor" ,"readr","dplyr", "flextable","gtsummary","ggthemes")  
  
# Check if packages are installed  
missing\_packages <- setdiff(required\_packages, installed.packages()[,"Package"])  
  
### Install missing packages  
if (length(missing\_packages) > 0) {  
 install.packages(missing\_packages)  
}  
  
### Load all packages  
lapply(required\_packages, library, character.only = TRUE)

# Read excel files data for R1 and R2  
r1\_data <- readxl::read\_excel("output/data/r1\_data.xlsx")  
  
r2\_data <- readxl::read\_excel("output/data/r2\_data.xlsx")

# Study Variables

## Socio-demographic variables

### Kid Sex/gender

|  | **round 1**, N = 2474 | | | **round 2**, N = 2762 | | |
| --- | --- | --- | --- | --- | --- | --- |
| Characteristics of children | **0**, N = 1,8031 | **1**, N = 6711 | **p-value**2 | **1**, N = 1,9621 | **2**, N = 8001 | **p-value**2 |
| weight (kg) | 10.28 (3.01) | 10.05 (2.98) | 0.10 | 10.48 (2.95) | 10.47 (2.97) | >0.9 |
| (Missing) | 49 | 29 |  | 87 | 43 |  |
| height (cm) | 81.85 (13.47) | 80.81 (13.37) | 0.10 | 83.41 (13.01) | 82.99 (13.10) | 0.5 |
| (Missing) | 69 | 36 |  | 94 | 46 |  |
| Why missing |  |  | 0.3 |  |  | 0.7 |
| absent | 48.00 (2.66%) | 25.00 (3.73%) |  |  |  |  |
| have measured | 1,734.00 (96.17%) | 635.00 (94.63%) |  |  |  |  |
| others | 12.00 (0.67%) | 5.00 (0.75%) |  |  |  |  |
| refused to give measurement | 9.00 (0.50%) | 6.00 (0.89%) |  |  |  |  |
| (Missing) | 0 | 0 |  | 0 | 0 |  |
| Absent |  |  |  | 80.00 (4.08%) | 38.00 (4.75%) |  |
| Have measured |  |  |  | 1,868.00 (95.21%) | 754.00 (94.25%) |  |
| Other |  |  |  | 5.00 (0.25%) | 3.00 (0.38%) |  |
| Refused to give Measure ment |  |  |  | 8.00 (0.41%) | 5.00 (0.63%) |  |
| Sick |  |  |  | 1.00 (0.05%) | 0.00 (0.00%) |  |
| Sex |  |  | >0.9 |  |  | 0.036 |
| female | 900.00 (49.92%) | 333.00 (49.63%) |  |  |  |  |
| male | 903.00 (50.08%) | 338.00 (50.37%) |  |  |  |  |
| (Missing) | 0 | 0 |  | 0 | 0 |  |
| 1 |  |  |  | 1,043.00 (53.16%) | 390.00 (48.75%) |  |
| 2 |  |  |  | 919.00 (46.84%) | 410.00 (51.25%) |  |
| age (in year) |  |  | 0.8 |  |  | >0.9 |
| 0 | 356.00 (19.74%) | 133.00 (19.82%) |  | 390.00 (19.88%) | 149.00 (18.63%) |  |
| 1 | 350.00 (19.41%) | 141.00 (21.01%) |  | 353.00 (17.99%) | 152.00 (19.00%) |  |
| 2 | 328.00 (18.19%) | 118.00 (17.59%) |  | 415.00 (21.15%) | 165.00 (20.63%) |  |
| 3 | 397.00 (22.02%) | 137.00 (20.42%) |  | 417.00 (21.25%) | 172.00 (21.50%) |  |
| 4 | 372.00 (20.63%) | 142.00 (21.16%) |  | 387.00 (19.72%) | 162.00 (20.25%) |  |
| (Missing) | 0 | 0 |  | 0 | 0 |  |
| relation with the head |  |  | 0.001 |  |  | 0.004 |
| brother/sister | 1.00 (0.06%) | 0.00 (0.00%) |  |  |  |  |
| grandson/daughter | 270.00 (14.98%) | 148.00 (22.06%) |  |  |  |  |
| husband/wifes niece/nephew | 2.00 (0.11%) | 2.00 (0.30%) |  |  |  |  |
| niece/nephew | 17.00 (0.94%) | 13.00 (1.94%) |  |  |  |  |
| other relative | 6.00 (0.33%) | 2.00 (0.30%) |  |  |  |  |
| primary respondents cousin | 1.00 (0.06%) | 0.00 (0.00%) |  |  |  |  |
| son/daughter | 1,506.00 (83.53%) | 506.00 (75.41%) |  |  |  |  |
| (Missing) | 0 | 0 |  | 0 | 0 |  |
| 11 |  |  |  | 1.00 (0.05%) | 0.00 (0.00%) |  |
| 12 |  |  |  | 2.00 (0.10%) | 3.00 (0.38%) |  |
| 14 |  |  |  | 11.00 (0.56%) | 5.00 (0.63%) |  |
| 2 |  |  |  | 0.00 (0.00%) | 1.00 (0.13%) |  |
| 3 |  |  |  | 1,450.00 (73.90%) | 550.00 (68.75%) |  |
| 5 |  |  |  | 470.00 (23.96%) | 216.00 (27.00%) |  |
| 8 |  |  |  | 28.00 (1.43%) | 25.00 (3.13%) |  |
| 1Mean (SD); n (%) | | | | | | |
| 2Welch Two Sample t-test; Fisher's Exact Test for Count Data with simulated p-value  (based on 2000 replicates); Fisher's Exact Test for Count Data | | | | | | |