## Plot

### John Kamau

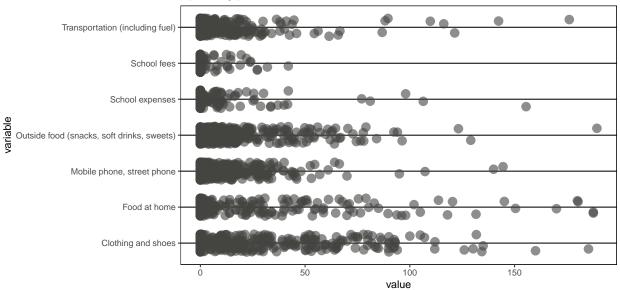
# 2/25/2022

```
library(tidyverse)
## -- Attaching packages ------ tidyverse 1.3.1 --
## v ggplot2 3.3.5
                                                       v purrr
                                                                              0.3.4
## v tibble 3.1.5
                                                       v dplyr
                                                                              1.0.7
## v tidyr
                           1.1.4
                                                      v stringr 1.4.0
## v readr
                              2.0.2
                                                       v forcats 0.5.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                                                 masks stats::lag()
library(readxl)
df <- read_excel("YAR_boxplots_Expenditures_Final_version.xlsx")</pre>
unique(df$variable)
         [1] "-\tOther significant expenses (>10% of monthly income)"
##
        [2] "Outside food (snacks, soft drinks, sweets)"
        [3] "Food at home"
      [4] "Clothing and shoes"
##
## [5] "Transportation (including fuel)"
      [6] "House/rent"
##
##
         [7] "School expenses"
##
      [8] "Mobile phone, street phone"
      [9] "cigarettes"
## [10] "Water charges"
## [11] "Electricity charges/charging phones/kerosene/energy/firewood"
## [12] "Toiletries"
## [13] "School fees"
## [14] "Alcoholic beverages"
remove <- c("-\t0ther significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Water compared to the significant expenses (>10% of monthly income)", "House/rent", "cigarettes", "Ciga
df <- df %>% filter(!variable %in% remove)
library(ggthemes)
## Warning: package 'ggthemes' was built under R version 4.1.2
df %>% head()
## # A tibble: 6 x 5
           Country Gender Age
                                                                   variable
                                                                                                                                                                           value
            <chr>
                               <chr> <chr>
                                                                                                                                                                           <dbl>
                                                                   <chr>
## 1 Nigeria Male 25 - 30 Outside food (snacks, soft drinks, sweets) 189.
```

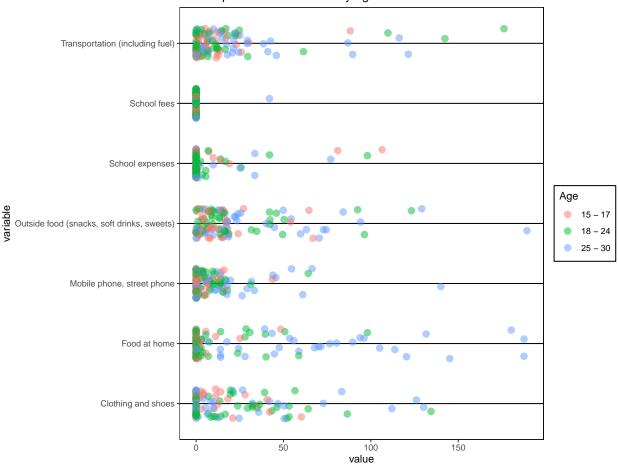
188.

#### Spending patterns in all countries in USD dollars

## 2 Nigeria Male 25 - 30 Food at home







### scale\_fill\_manual(values = colors)

```
<ggproto object: Class ScaleDiscrete, Scale, gg>
##
##
       aesthetics: fill
##
       axis_order: function
##
       break_info: function
       break_positions: function
##
##
       breaks: waiver
##
       call: call
##
       clone: function
       dimension: function
##
##
       drop: TRUE
       expand: waiver
##
       get_breaks: function
##
##
       get_breaks_minor: function
##
       get_labels: function
       get_limits: function
##
##
       guide: legend
       is_discrete: function
##
##
       is_empty: function
##
       labels: waiver
       limits: NULL
##
##
       make_sec_title: function
```

```
##
       make_title: function
##
       map: function
##
       map_df: function
##
       n.breaks.cache: NULL
##
       na.translate: TRUE
##
       na.value: grey50
##
       name: waiver
##
       palette: function
##
       palette.cache: NULL
##
       position: left
##
       range: <ggproto object: Class RangeDiscrete, Range, gg>
##
           range: NULL
##
           reset: function
##
           train: function
##
           super: <ggproto object: Class RangeDiscrete, Range, gg>
##
       rescale: function
##
       reset: function
       scale_name: manual
##
##
       train: function
       train_df: function
##
       transform: function
##
##
       transform_df: function
##
       super: <ggproto object: Class ScaleDiscrete, Scale, gg>
```