final_project_gender_vrs_fertility.R

aladago

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```
# This script processes information about the gender and the number of
# children by the 2012 - 2016 Members of Ghana's parliament. This is in an attempt to find out whether
# of a parliamentarian has and influence his/her fertility rate.

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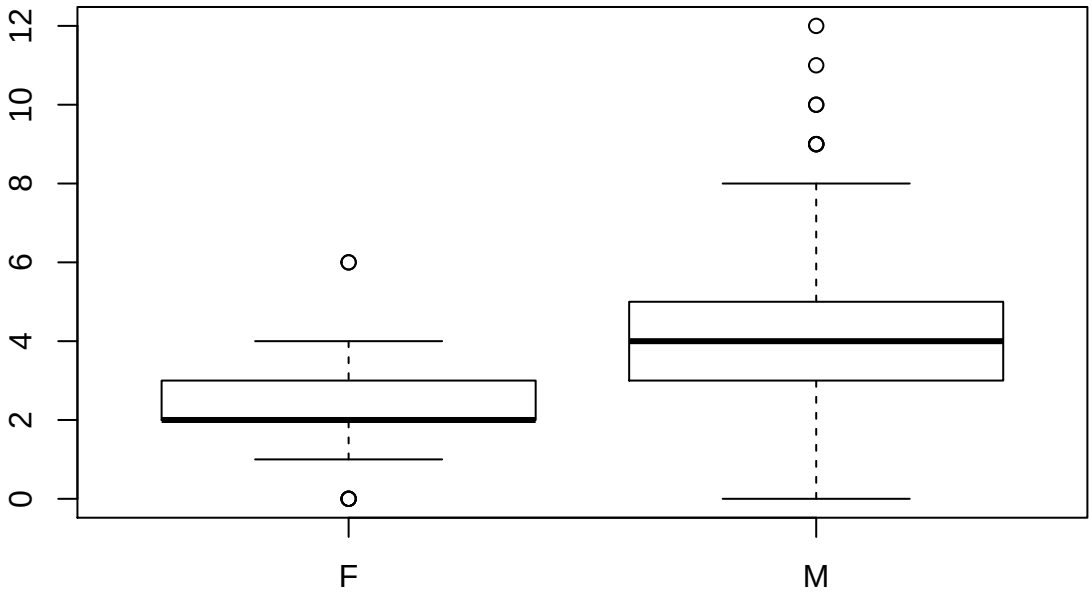
# Make use of data from a file name final_project_data.csv which is crowd source.

# setting the working directory. change this to match directory
setwd("/home/aladago/Documents/Ashesi/Fall/Data Mining/Final Project/Data_mining")

# reading the entire data
rawData <- read.csv("final_project_data.csv", header = TRUE)

# separating the two columns(gender and kids) for analysis
processedData <- data.frame(rawData$Gender, rawData$Kids)

# attempting a box plot since the response its a categorical variable vrs quantitative variable just fo
#this plot gives the wrong representation of the data because it's on counts.
plot(processedData$rawData.Gender, processedData$rawData.Kids)
```




```
# crosstabulating the data
genderbyFertility <- xtabs(~processedData$rawData.Gender+ processedData$rawData.Kids)

# taking the proportions of the various to obtain a good representation of the data
#There are only 31 women  against 244 men in the valid data being processed. It's unreprentative to use
proportionalGenderbyFertility <- round(prop.table(genderbyFertility, 1)* 100, 2)
```

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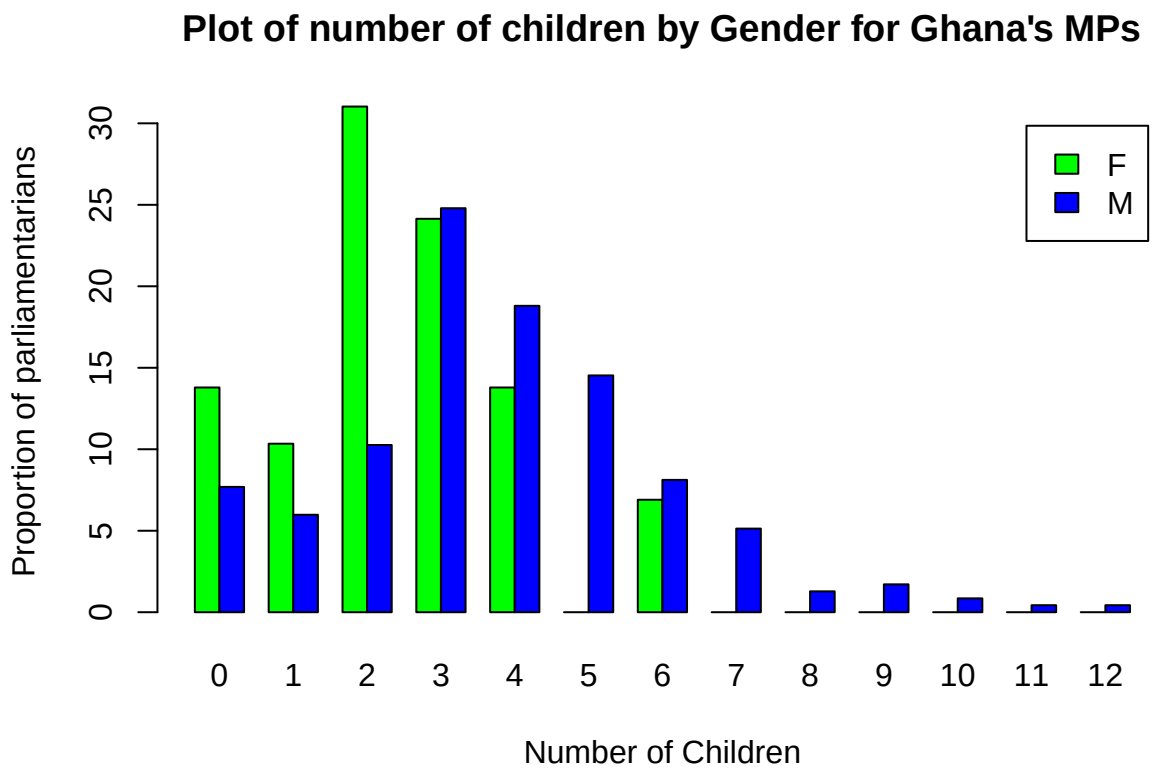
# depicting a barplot of gender vrs number of children
barplot(proportionalGenderbyFertility, col = c('green', 'blue'), beside = TRUE, legend =c('F', 'M'), yla
```




```r
##  end of file
```