Aruna

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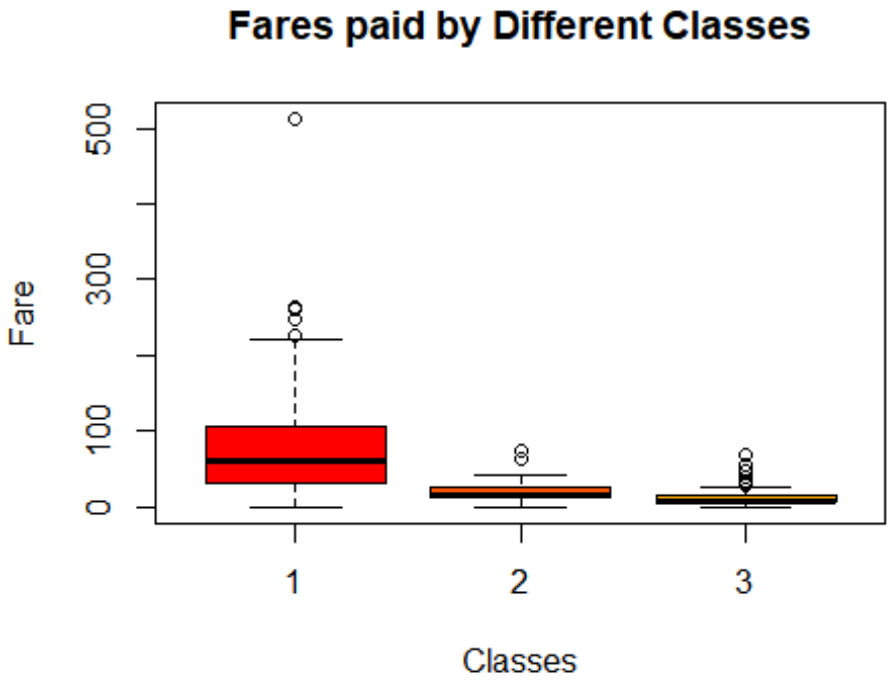
14 November 2018

```
#Assigment 6.2

# a . Is there any differnce in fares by class of tickets
#     Note : Show a blox plot displaying the distribution of fares
library(readxl)
titanic3 <- read_excel("F:/R Notes/Assignments/titanic3.xls")
```

```
## Warning in read_fun(path = path, sheet_i = sheet, limits = limits, shim =
## shim, : Coercing text to numeric in M1306 / R1306C13: '328'
```

```
#View(titanic3)
boxplot(fare~pclass, data = titanic3,
        main = "Fares paid by Different Classes",
        xlab = "Classes",
        ylab = "Fare",
        col = heat.colors(5)
        )
```



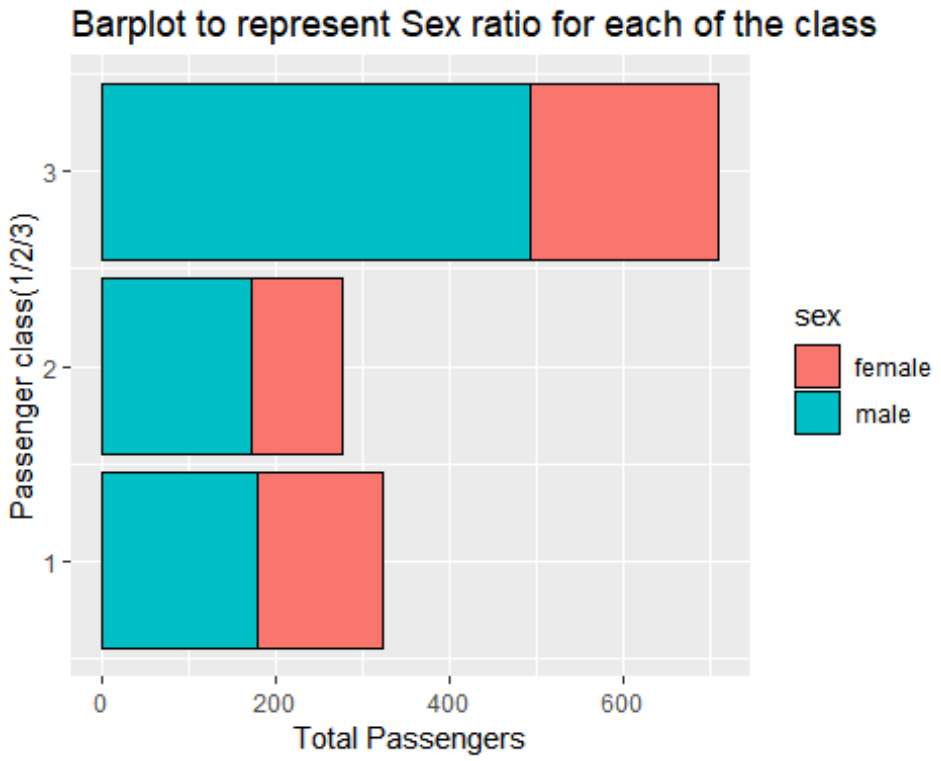
```r
# yes the passengers of Class 1 had to pay higher fares as compared to
# other 2 categories.

# b. Is there any association with Passenger class and  gender
#    show a stacked bar chart
library(ggplot2)
library(readxl)
titanic3 <- read_excel("F:/R Notes/Assignments/titanic3.xls")

## Warning in read_fun(path = path, sheet_i = sheet, limits = limits, shim =
## shim, : Coercing text to numeric in M1306 / R1306C13: '328'

#View(titanic3)

ggplot(titanic3, aes(pclass,fill = sex))+
  geom_bar(colour = "black")+
  xlab("Passenger class(1/2/3)") +
  ylab("Total Passengers") +
  coord_flip()+
  ggtitle("Barplot to represent Sex ratio for each of the class")
```



R Markdown

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