SESSION 6: Visualization & Plotting

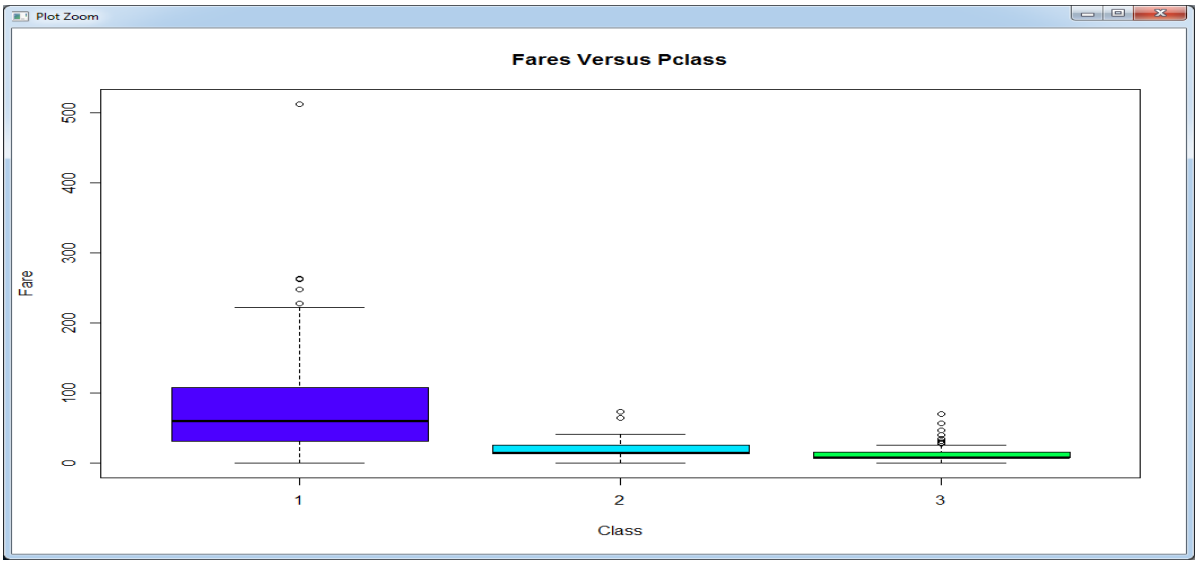
Assignment 2

1. Import the Titanic Dataset from the following link:
   https://drive.google.com/file/d/1JTJCjdGuUxzKXYlwOavwovB01k6FWg3r/view?ts=5b42ea10
   Perform the below operations:
   a. Is there any difference in fares by different class of tickets?
      Note- show a boxplot displaying the distribution of fares by class

Answer:

```
library(readxl)
setwd("C://Users//DELL//Desktop//Assignments//Session6")
titanicDF <- read_excel("titanic3.xls")
# a. Is there any difference in fares by different class of tickets?
# Note- show a boxplot displaying the distribution of fares by class
boxplot(fare~pclass,data= titanicDF, main="Fares Versus Pclass", xlab="Class", ylab="Fare",
        col=topo.colors(4))
```

Output:



   b. Is there any association with Passenger class and gender?
      Note- show a stacked bar chart

Answer:

```
#b. Is there any association with Passenger class and gender?
#Note- show a stacked bar chart
counts<-table(titanicDF$sex,titanicDF$pclass)
barplot(counts, main = "Distribution of Class by gender", xlab="Pclass", col=c("blue", "red"), legend =
        c("Female","Male"), names.arg = c("Pclass1st", "Pclass2nd","Pclass3rd"))
```

Output: