

1. Import the Titanic Dataset from the following link:

<https://drive.google.com/file/d/1JTJCjdGuUxzKXYlwOavwovB01k6FWg3r/view?ts=5b42ea10>

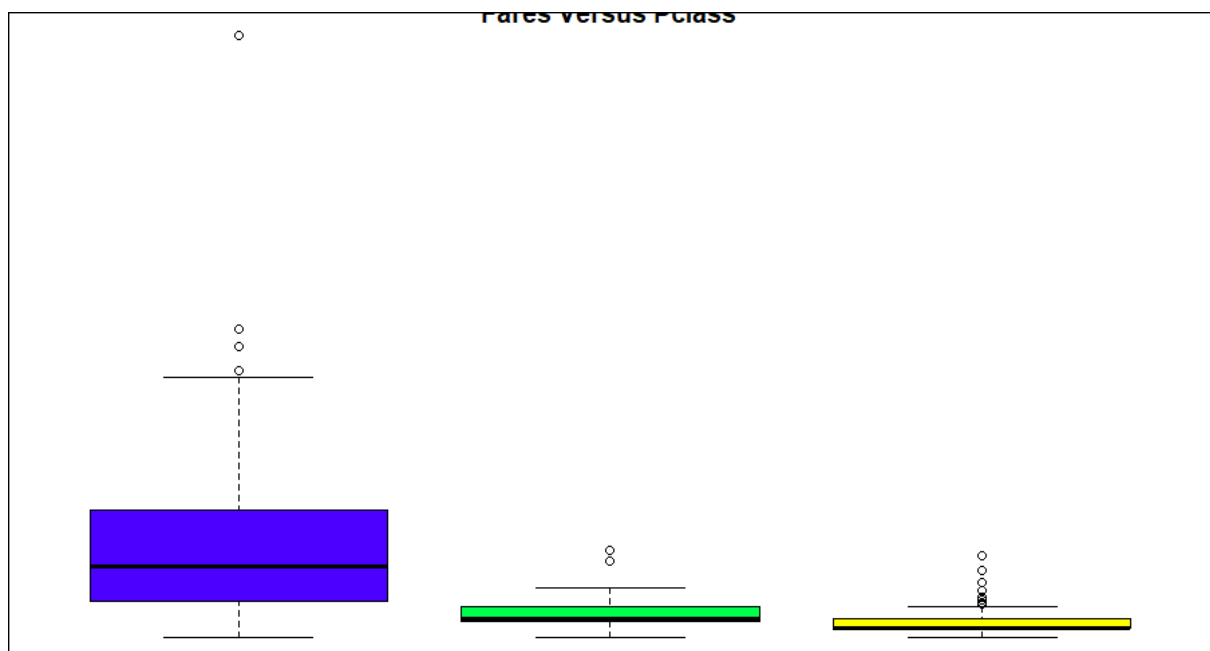
Perform the below operations:

- a. Is there any difference in fares by different class of tickets? (Note- show a boxplot displaying the distribution of fares by class)**

```
library(readxl)
titanic <- read_excel("titanic3.xls")
str(titanic)
```

```
View(titanic)
```

```
boxplot(fare~pclass,data= titanic,main="Fares Versus
Pclass",xlab="Class",ylab="Fares",col=topo.colors(3))
```



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

```
counts<-table(titanic$sex,titanic$pclass)
c. barplot(counts, main = "Distribution of Class by gender",
xlab="Pclass", col=c("blue", "red"), legend = c("Female","Male"),
names.arg = c("Pclass1st", "Pclass2nd","Pclass3rd"))
```

Distribution of Class by gender

