SESSION 7: Basic Statistics

Assignment 3

1. Create a box and whisker plot by class using mtcars dataset.

#using mpg dataset to plot boxplot between variable class & hwy

```
library(ggplot2)
#using a different color for each group
ggplot(mpg, aes(x=class, y=hwy,fill=class, font.main=3)) +
ggtitle(toupper("Different Classes")) +
geom_boxplot(alpha=0.3) +theme(legend.position="none")
```

#one more example

```
boxplot(mpg~cyl, data=mtcars,
main= toupper("Fuel Consumption"), font.main=3,
col= topo.colors(3), xlab="Number of Cylinders",
ylab="Miles per Gallon")
```