

DATA ANALYTICS WITH R, EXCEL AND TABLAEU

ASSIGNMENT 7.3 ANSWERS

By ASHISH S SHANBHAG

ashishshanbhag108@gmail.com

Question no:

5)

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

Ans

boxplot

```
input <- mtcars[,c('mpg','cyl')]
print(head(input))
```

When we execute above code, it produces following result –

	mpg	cyl
Mazda RX4	21.0	6
Mazda RX4 Wag	21.0	6
Datsun 710	22.8	4
Hornet 4 Drive	21.4	6
Hornet Sportabout	18.7	8
Valiant	18.1	6

Creating the Boxplot

Give the chart file a name.

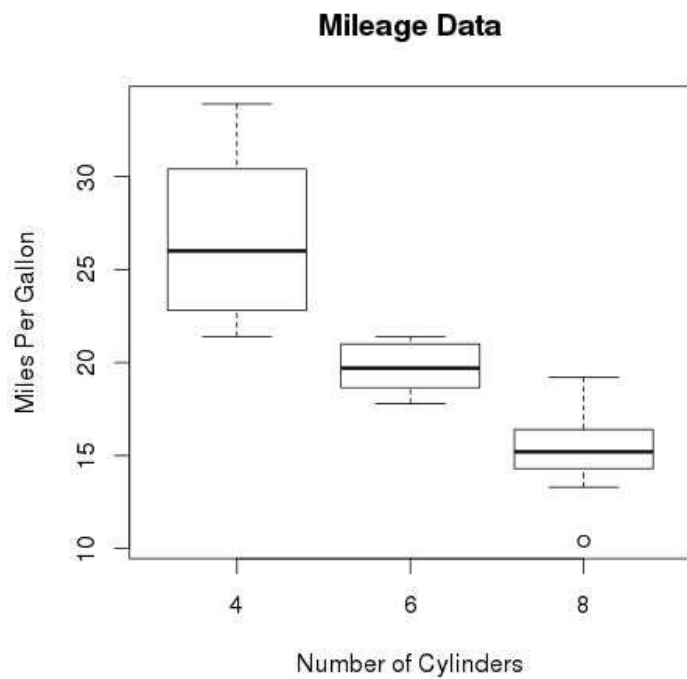
```
png(file = "boxplot.png")
```

Plot the chart.

```
boxplot(mpg ~ cyl, data = mtcars, xlab = "Number of Cylinders",
        ylab = "Miles Per Gallon", main = "Mileage Data")
```

Save the file.

```
dev.off()
```



Whisker plot

