

### Experiment 2

AIM: Visualizing data using R with different type of graphs and charts

#### 3.Histogram

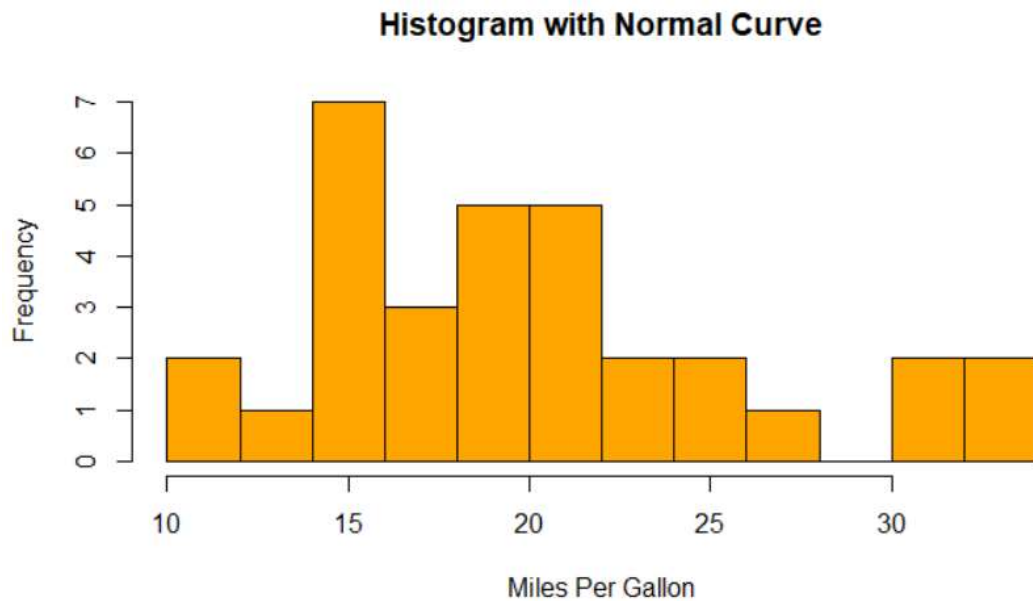
##### Code:

```
x <-mtcars$mpg
```

```
h<-hist(x, breaks=10, col='orange', xlab="Miles Per Gallon", main="Histogram  
with Normal Curve")
```

##### OutPut:

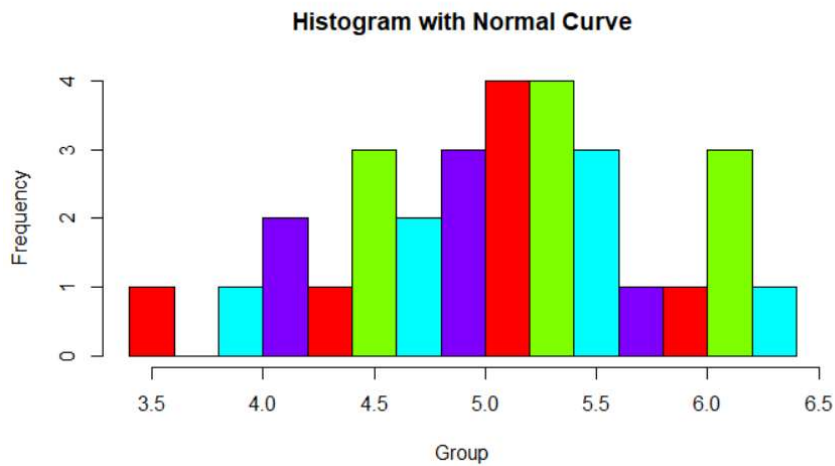
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**Code:**

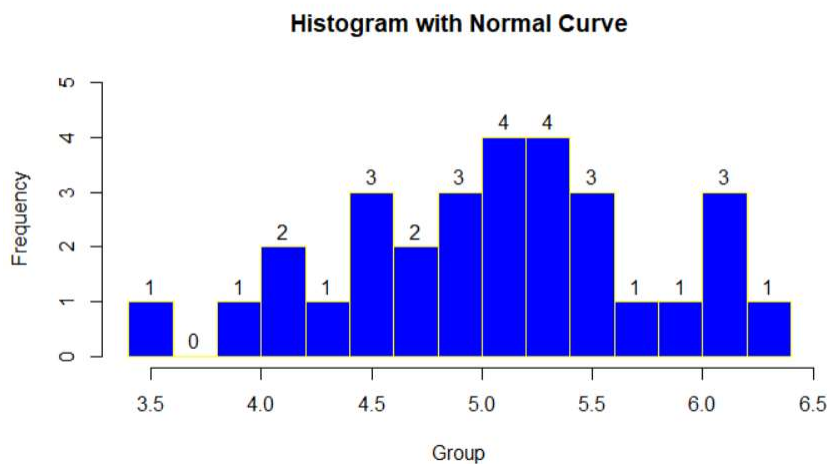
```
y <- PlantGrowth$weight
```

```
h <- hist(y, breaks=10, col=rainbow(y), xlab="Group", main="Histogram with Normal Curve")
```

**Output:****Code:**

```
h <- hist(y, breaks = 10, col='blue', ylim = c(0,5), border='yellow', xlab = 'Group', main="Histogram with Normal Curve")
```

```
text(h$mids,h$counts,labels=h$counts,adj=c(0.5,-0.5))
```

**Output:**

## 2.BoxPlot

### Code:

```
input <-mtcars[,c('mpg','cyl')]
print(head(input))
png(file="boxplot.png")
b<-boxplot(mpg~cyl, data = mtcars,notch=TRUE,varwidth=TRUE, xlab =
"Number of Cylinders", ylab="Miles Per Gallon", main = "Mileage Data")
```

### Output:

