```
#Histogram
data("iris")
par(mfrow=c(1,4))
for (i in 1:4){
  hist(iris[,i], main=names(iris)[i])
}

#Demsity Plots
library(lattice)
data(iris)
par(mfrow=c(1,4))
for(i in 1:4){
  plot(density(iris[,i]), main=names(iris)[i])
}

#Density Plots by Class
library(caret)
data("iris")
x=iris[,1:4]
y=iris[,5]
sales=list(x=list(relation="free"), y=list(relation="free"))
featurePlot(x=x, y=y, plot="Density", scale=sales)

#Box and Whisker Plots
data(iris)
par(mfrow=c(1,4))
for (i in 1:4){
  boxplot(iris[,i], main=names(iris)[i])
}

#Box and Whisker Plots by Class
library(caret)
data(iris)
x=iris[,1:4]
y=iris[,5]
featurePlot(x=x, y=y, plot="box")

#Bar Plots
library(mlbench)
data("BreastCancer")
par(mfrow=c(2,4))
for (i in 2:9){
  counts=table(BreastCancer)[,i]
  name=names(BreastCancer)[i]
  barplot(counts, main=name)
}

#Missing Plot
library(Amelia)
library(mlbench)
```

```
data("Soybean")
missmap(Soybean, col=c("black", "grey"), legend=FALSE)

#Correlation Plot
library(corrplot)
data(iris)
correlations=cor(iris[,1:4])
corrplot(correlations, method="circle")

#Scatte Plot Matrix
data(iris)
pairs(iris)

#Scatter plot matrix by class
data("iris")
pairs(Species~., data=iris, col=iris$Species)
```