```
#Univariate Plot
x = 2
print(x)
?plot
x = c(5,7,8,7,2,2,9,4,11,12,9,6)
plot(x)
plot(x,type = "l",main = "First Graph",
sub = "first subtitle",xlab = "X-axis",
ylab = "Y-axis")
iris
View(iris)
plot(iris$Sepal.Length,main = "Graph of Sepal Length of iris data")
mtcars
View(mtcars)#Viewing data
?mtcars#data description
names(mtcars)#column names
str(mtcars)#variable types
dim(mtcars)#dimension of data
plot(mtcars$mpg)
#Bivariate Scatter Plot
x <- c(5,7,8,7,2,2,9,4,11,12,9,6)
y <- c(99,86,87,88,111,103,87,94,78,77,85,86)
plot(x, y, main="Observation of Cars", xlab="Car age", ylab="Car speed")
abline(Im(y\sim x),col = 'red')
cor(x,y, method = "pearson")#correlation
cor(x,y, method = "spearman")#correlation
#Regression
#One Variable
model = Im(y\sim x)
summary(model)
format(1.387e-05, scientific = FALSE)
#Two Variable
model1 = Im(Petal.Length~Sepal.Width+Sepal.Length,data = iris)
model1
```

```
summary(model1)
# load the MASS package
install.packages("MASS")
library(MASS)
print(str(survey))
# Create a data frame from the main data set.
stu_data = data.frame(survey$Smoke,survey$Exer)
# Create a contingency table with the needed variables.
stu_data = table(survey$Smoke,survey$Exer)
print(stu_data)
# applying chisq.test() function
print(chisq.test(stu_data))
#### qqplot ####
# Set seed for reproducibility
set.seed(121)
# Create random normally distributed values
x <- rnorm(1200)
# QQplot of normally distributed values
qqnorm(x)
# Add gqline to plot
qqline(x, col = "darkgreen")
qqnorm(iris$Sepal.Length)
# Add gqline to plot
qqline(iris$Sepal.Length, col = "darkgreen")
?qqnorm
```