**# Histogram for all variables in a dataset mtcars.**

**# Write a program to create histograms for all columns.**

mtcars

str(mtcars)

**# all variables are numeric**

setwd("E:/R1/Assignment")

par(mfrow=c(3,4)) # set the graph area

lapply(mtcars[2:11], hist) # apply histogram plot function to all column of mtcars

**# 2. Check the probability distribution of all variables in mtcars**

par(mfrow=c(3,4)) **# set the graph area**

**# writing a function to plot probability**

prob <- function(prob){

x <- sort(prob)

hx <- dnorm(prob)

p <- plot(x, hx, type="l")

}

lapply(mtcars[2:11], prob) **# applying the function to all the columns**

**# 3. Write a program to create boxplot for all variables.**

par(mfrow=c(3,4))

lapply(mtcars[2:11], boxplot) # applying the function to all the columns