assignment 1

Rishitha Reddy Muddasani

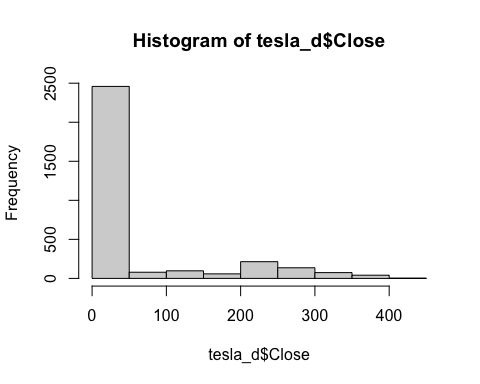
2023-01-29

#importing the dataset.  
tesla\_d <- read.csv("/Users/nikhilreddya/Documents/RISHI/Tesla Stock Price (2010 to 2023).csv")  
#view the dataset.  
  
View(tesla\_d)

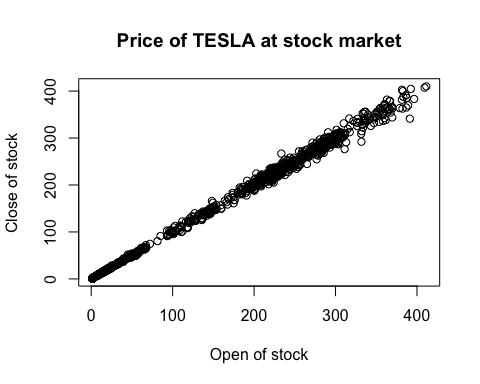
#transforming data  
stock\_open<- (tesla\_d$Open-mean(tesla\_d$Open)/var(tesla\_d$Open) )  
stock\_open

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## [7] 1.069528 1.165528 1.190195 1.152861 1.189528 1.322861  
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## [3157] 122.083524 122.553526 116.543531 125.693525 136.553526 127.253530

#histogram is displayed below.  
#for the stock close price of tesla in stock market.  
hist(tesla\_d$Close)



#scatter plot  
library(ggplot2)  
N <- tesla\_d$Open  
R <- tesla\_d$Close  
plot(N,R, main = "Price of TESLA at stock market", xlab = "Open of stock", ylab = "Close of stock" )



#The above graphical representation is a scatterplot.   
#The selected variables are Open and Close stock price at stock market

#Dataset source :- <https://www.kaggle.com/datasets/muhammadbilalhaneef/-tesla-stock-price-from-2010-to-2023>