**LINEAR REGRESSION**

getwd()

setwd("C:\\Users\\10ani\\Desktop\\DS\_classes")

#install.packages("calibrate")

library(calibrate)

cancer\_data=read.csv("CANCER\_DATA.csv")

cancer\_data=cancer\_data[complete.cases(cancer\_data),]

cancer\_data

plot(cancer\_data$povertyPercent,cancer\_data$TARGET\_deathRate,col='blue')

library(plotly)

boxplot(cancer\_data$TARGET\_deathRate,col='bisque',main='boxplot')

plot\_ly(data = cancer\_data, x = ~povertyPercent , y = ~TARGET\_deathRate,type = 'scatter',mode = 'markers')

plot\_ly(data=cancer\_data,x=cancer\_data$AvgHouseholdSize,type ='histogram',mode='markers')

#install.packages("plotly")

library(plotly)

plot\_ly

qqnorm(cancer\_data$avgDeathsPerYear)

qqline(cancer\_data$avgDeathsPerYear,col='red')

#p value is high,confidence level is lower0.05 p value means 95% confidence level.