**Tasks for Week-8: Hierarchical Clustering**

Understand the following operations/functions on ‘USArrests’ data and perform similar operations on ‘iris’ dataset based on given instructions.

rm(list=ls())

setwd("C:/Users/vitcc/Desktop/Plan-Fall-2020-21/DA-Lab")

data <- read.csv("USArrests.csv",row.names=1)

df <- scale(data)

dissim <- dist(df, method = 'euclidean')

hierClust <- hclust(dissim, method = 'complete')

plot(hierClust)

cluster <- cutree(hierClust, k = 4)

rect.hclust(hierClust, k = 4, border = 2:4)