Code in r for lung dataset

library(cluster)

library(ggplot2)

setwd("C:/Users/namra\_000/Desktop/Agnes")

rr= read.csv('LungCapData2.csv')

#importing the dataset

rr$Gender<-ifelse(rr$Gender=="male",1,0)

rr

rr$Smoke<-ifelse(rr$Smoke=="yes",1,0)

rr

n<-as.data.frame(rr)

n1<-agnes(n,diss=FALSE,metric="euclidean")

cor(rr$Height,rr$LungCap)

cor(rr$Age,rr$LungCap)

cor(rr$Gender,rr$LungCap)

cor(rr$Smoke,rr$LungCap)

cor(rr$Height,rr$LungCap)

cor(rr$Smoke,rr$LungCap)

cor(rr$LungCap,rr$Smoke)

cor(rr$Gender,rr$LungCap)

cor(rr$Age,rr$Smoke)

ggplot(rr,aes(rr$Height,rr$LungCap,color=LungCap))+geom\_point()

ggplot(rr,aes(rr$Age,rr$LungCap,color=LungCap))+geom\_point()

ggplot(rr,aes(rr$Smoker,rr$LungCap,color=LungCap))+geom\_point()

ggplot(rr,aes(rr$Gender,rr$LungCap,color=LungCap))+geom\_point()

ggplot(rr,aes(rr$LungCap,rr$Age,color=LungCap))+geom\_point()

ggplot(rr,aes(rr$Smoke,rr$Age,color=Age))+geom\_point()

levels(rr$Age)

plot(n1)