**Tasks for Week-5: Logistic Regression**

Understand the following operations/functions on to perform logistic Regression and perform similar operations on ‘Social\_Network\_Ads’ dataset based on given instructions.

rm(list=ls())

setwd("D:/data analytics/Assignment-1")

mydata<-read.csv("Social\_Network\_Ads.csv")

mydata$Gender<-as.factor(mydata$Gender)

mydata$Purchased<-as.factor(mydata$Purchased)

mymodel <- glm(Purchased ~ Age+Gender+EstimatedSalary, data=mydata, family='binomial')

res<-predict(mymodel,mydata,type='response')

res

cfmatrix<-table(Act=mydata$Purchased, pred=res>0.6)

cfmatrix

Acc=(cfmatrix[[1,1]]+cfmatrix[[2,2]])/sum(cfmatrix)

Acc