# Always “normal-0”and Always “attack-1”:

> error\_rate\_0

[1] 0.80435

> error\_rate\_1

[1] 0.19565

#always 1 and always 0 to classify the kddcup99 data

kddcup <- read.csv("C:/Users/Christina/Desktop/kddcup.data\_10\_percent\_corrected", header=FALSE)

kddcup=as.matrix(kddcup)

kddcup\_1=sample((nrow(kddcup)),size=20000,replace = FALSE, prob = NULL)

kddcup\_test=kddcup[kddcup\_1,]

for (i in 1:20000){

if (kddcup\_test[i,42]=="normal."){

kddcup\_test[i,42]=0}

else{

kddcup\_test[i,42]=1

}

}

kddcup\_test=as.data.frame(kddcup\_test)

colnames(kddcup\_test)=c(paste("x.",1:41,sep=""),"Y")

pre\_0=matrix(0,ncol=1,nrow=20000)#always 0

pre\_1=matrix(1,ncol=1,nrow=20000)#always 1

error\_rate\_0=sum(kddcup\_test[,42]!=pre\_0)/nrow(kddcup\_test)

error\_rate\_1=sum(kddcup\_test[,42]!=pre\_1)/nrow(kddcup\_test)