#Load the csv file

diabets = read.csv("diabetic.csv")

#View the file

View(diabets)

#split the file

set.seed(2)

id = sample(2, nrow(diabets),prob = c(.7,.3),replace=TRUE)

#Split the file into Train and Test

diabet\_train = diabets[id==1,]

diabet\_test = diabets[id==2,]

#Install the packages

install.packages("randomForest")

library(randomForest)

diabet\_train$is\_diabetic=as.factor(diabet\_train$is\_diabetic)

bestmtry=tuneRF(diabet\_train, diabet\_train$is\_diabetic,stepFactor = 1.2,

impove = .01,trace = T, plot = T)

diabet\_forest = randomForest(is\_diabetic~.,data=diabet\_train)

#Show the

diabet\_forest

importance(diabet\_forest)

pre\_diabet=predict(diabet\_forest, newdata=diabet\_test,type="class")

pre\_diabet