#install.packages("caret")

library("caret")

## Importing the dataset

health <- read.csv("/Users/arvindchikkalavalasa/Downloads/healthdataset")

## Reassigning the dependant variable into numeric

health2 <- health;## Reassigning the dependant variable into factor

health2[health2$RiskLevel == "high risk","RiskLevel"] <- 2

health2[health2$RiskLevel == "low risk","RiskLevel"] <- 0

health2[health2$RiskLevel == "mid risk","RiskLevel"] <- 1

head(health2)

str(health)

#health2$RiskLevel<- as.numeric(as.character(health2$RiskLevel))

health2$RiskLevel<- as.factor(health2$RiskLevel)

str(health2)

set.seed(7)

# load the library

library(mlbench)

library(caret)

# load the dataset

# prepare training scheme

control <- trainControl(method="repeatedcv", number=10, repeats=3)

# train the model

model <- train(RiskLevel~., data=health2, method="lvq", preProcess="scale", trControl=control)

# estimate variable importance

importance <- varImp(model, scale=FALSE)

# summarize importance

print(importance)

# plot importance

plot(importance)

Result :

