.6 imbalance

1.5 main, 1.5 int

> sim\_global\_Lman

scores variable

**mainvar8 0.3780636420 mainvar8**

**intvar8 0.0495467199 intvar8**

**var64 0.0390959446 var64**

**mainvar7 0.0298135688 mainvar7**

**intvar7 0.0273601376 intvar7**

**var13 0.0153584818 var13**

**mainvar9 0.0144480515 mainvar9**

**intvar9 0.0003305836 intvar9**

> class\_idx = which(colnames(sim\_train)=="class")

> rf\_fit = ranger(x=sim\_train[,-class\_idx], y = sim\_train[,class\_idx],

+ keep.inbag = TRUE,

+ #num.trees=tuned\_maxTree,

+ #mtry=tuned\_mtry,

+ importance="permutation",

+ #splitrule = tuned\_splitRule,

+ #min.node.size=tuned\_minNodeSize,

+ class.weights = as.numeric(c(1/table(sim\_train[,class\_idx]))),

+ scale.permutation.importance = T,

+ local.importance = F, # do outside this function

+ )

> #num.threads=nthreads)

> sorted\_imp<-sort(rf\_fit$variable.importance,decreasing=TRUE)

> sorted\_imp[1:10]

**mainvar8 mainvar7 mainvar1 var45 intvar7 mainvar6 intvar1**

**20.981991 12.247100 12.234375 4.644234 3.695490 3.081313 3.080238**

**mainvar2 var77 intvar3**

2.914782 2.877010 2.785147

> acc2 <- 1-rf\_fit$prediction.error

> print(paste("Final tuned OOB Accuracy: ",acc2,sep=""))

**[1] "Final tuned OOB Accuracy: 0.795833333333333"**