Basic Summary

Call:

randomForest(formula = Cluster ~ Age0to9 + Age10to17 + Age18to24 + Age25to29 + Age30to39 + Age40to49 + Age50to64 + Age65Plus + EdLTHS + EdHSGrad + EdSomeCol + EdAssociate + EdBachelor + EdMaster + EdProfSchl + EdDoctorate + HHSz1Per + HHSz2Per + HHSz3Per + HHSz4Per + HHSz5PlusPer + HHIncU25K + HHInc25Kto50K + HHInc50Kto75K + HHInc75Kto100K + HHInc100Kto150K + HHInc150Kto250K + HHInc250KPlus + PopAsian + PopBlack + PopHispanic + PopMulti + PopNativeAmer + PopOther + PopPacIsl + PopWhite + HVal0to100K + HVal100Kto200K + HVal200Kto300K + HVal300Kto400K + HVal400Kto500K + HVal500Kto750K + HVal750KPlus + PopDens, data = the.data, ntree = 500, replace = TRUE)

Type of forest: classification

Number of trees: 500

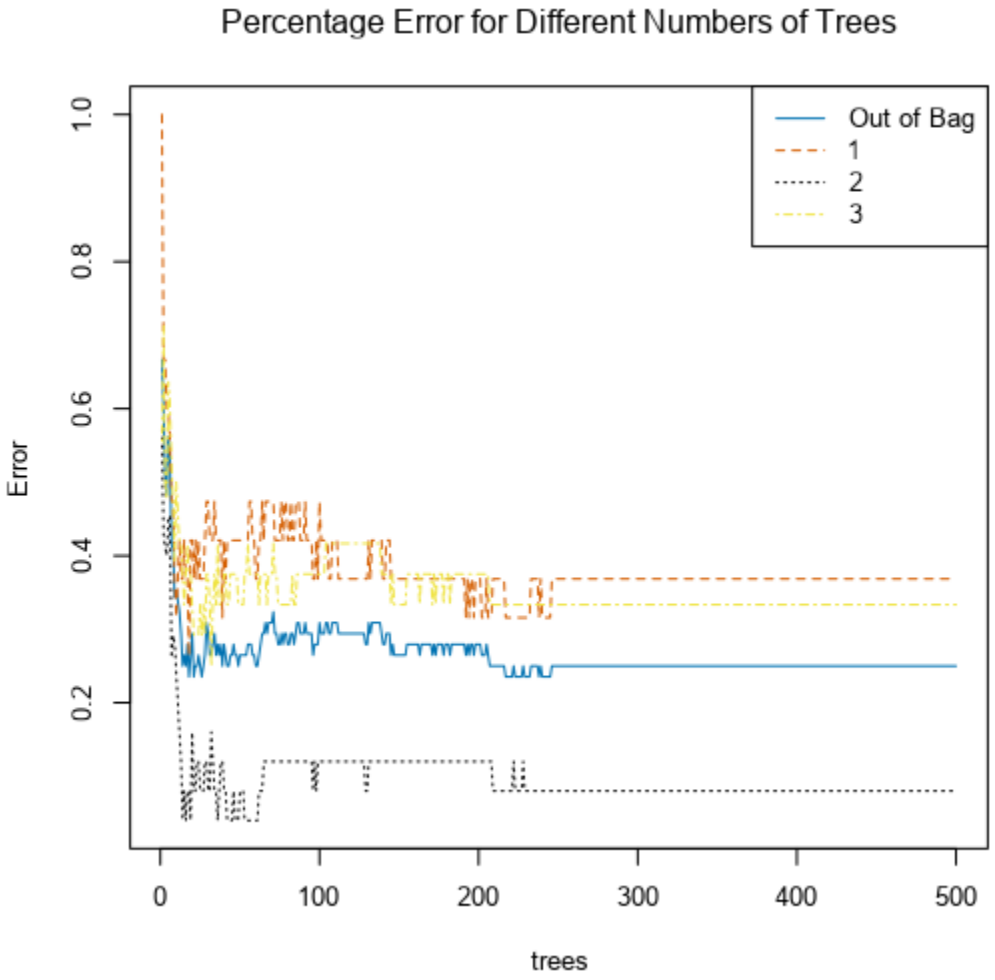
Number of variables tried at each split: 6

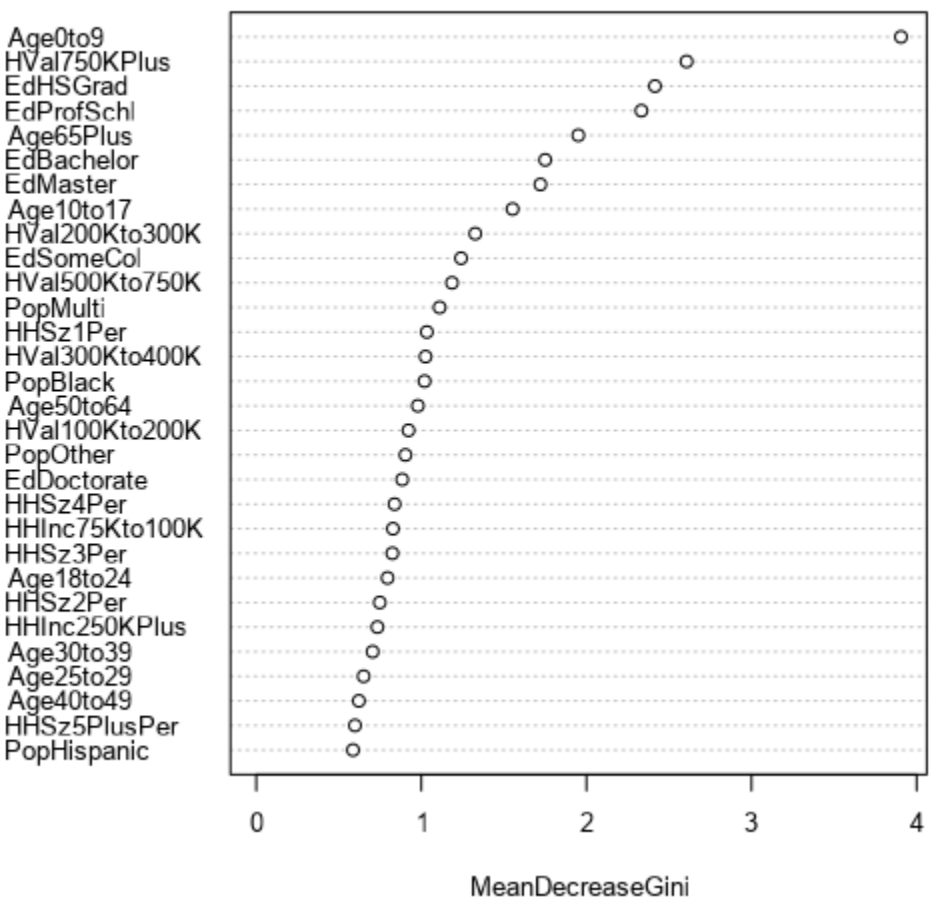
OOB estimate of the error rate: 25%

Confusion Matrix:

	Classification Error	1	2	3
1	0.368	12	1	6
2	0.08	0	23	2
3	0.333	5	3	16

Plots


Percentage Error for Different Numbers of Trees
Out of Bag
1
2
3
Error
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
trees


Variable Importance Plot
Age0to9
HVal750KPlus
EdHSGrad
EdProfSchl
Age65Plus
EdBachelor
EdMaster
Age10to17
HVal200Kto300K
EdSomeCol
HVal500Kto750K
PopMulti
HHSz1Per
HVal300Kto400K
PopBlack
Age50to64
HVal100Kto200K
PopOther
EdDoctorate
HHSz4Per
HHInc75Kto100K
HHSz3Per
Age18to24
HHSz2Per
HHInc250KPlus
Age30to39
Age25to29
Age40to49
HHSz5PlusPer
PopHispanic
0
1
2
3
4
MeanDecreaseGini