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)

Type of forest: classification

Number of trees: 500

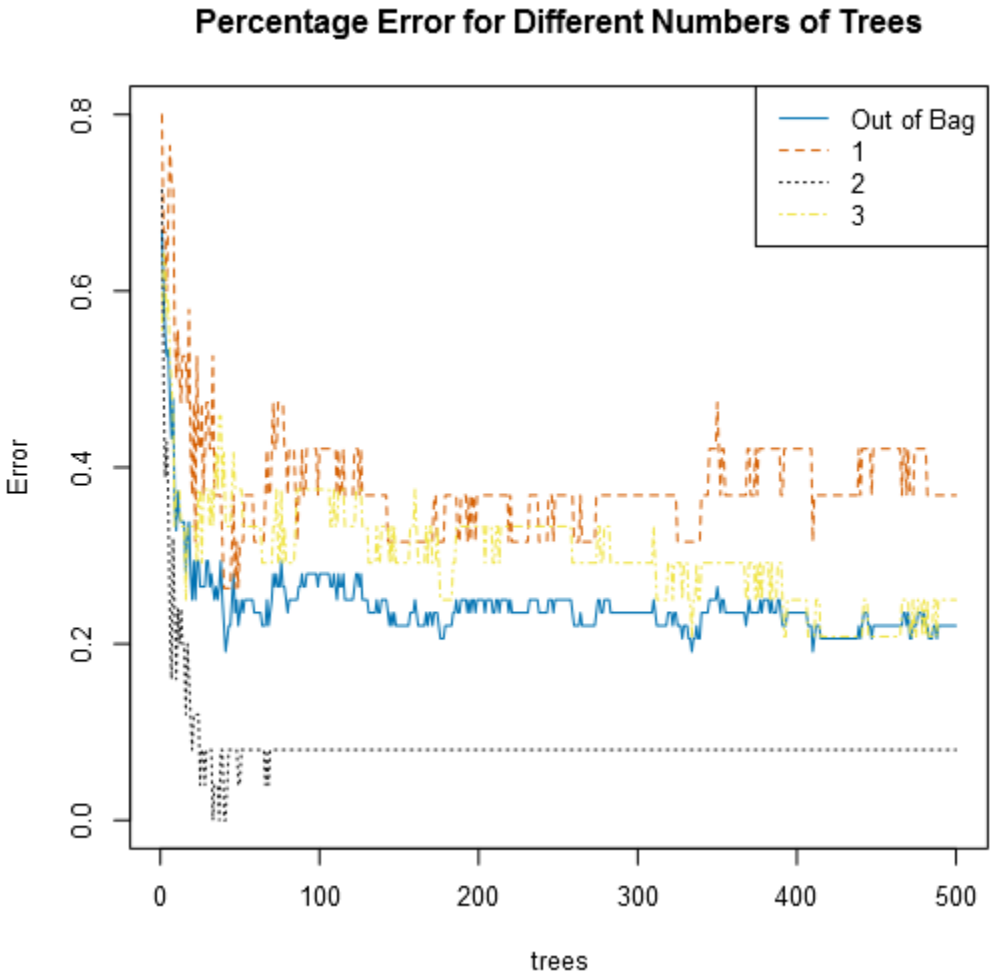
Number of variables tried at each split: 6

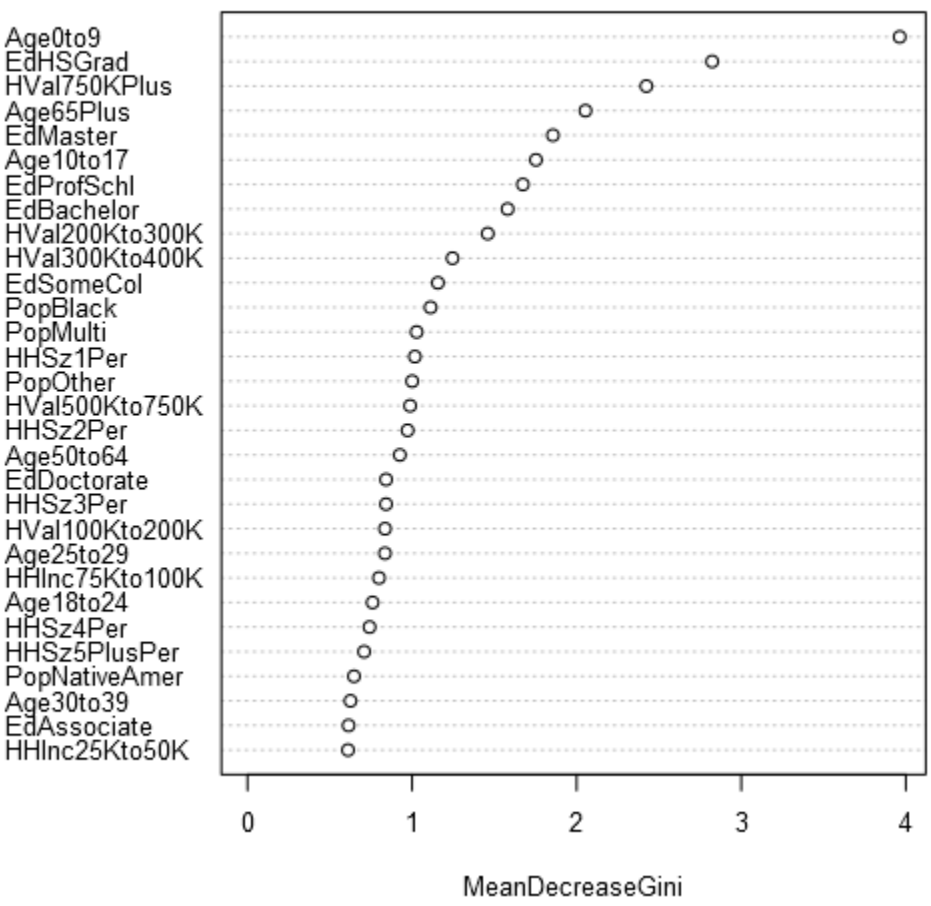
OOB estimate of the error rate: 23.3%

Confusion Matrix:

	Classification Error	1	2	3
1	0.368	12	1	6
2	0.08	0	23	2
3	0.25	4	2	18

Plots


Percentage Error for Different Numbers of Trees
Out of Bag
1
2
3
Error
0.0
0.2
0.4
0.6
0.8
0
100
200
300
400
500
trees


Variable Importance Plot
Age0to9
EdHSGrad
HVal750KPlus
Age65Plus
EdMaster
Age10to17
EdProfSchl
EdBachelor
HVal200Kto300K
HVal300Kto400K
EdSomeCol
PopBlack
PopMulti
HHSz1Per
PopOther
HVal500Kto750K
HHSz2Per
Age50to64
EdDoctorate
HHSz3Per
HVal100Kto200K
Age25to29
HHInc75Kto100K
Age18to24
HHSz4Per
HHSz5PlusPer
PopNativeAmer
Age30to39
EdAssociate
HHInc25Kto50K
0
1
2
3
4
MeanDecreaseGini