

DECISION TREE REPORT, 2017MT60786

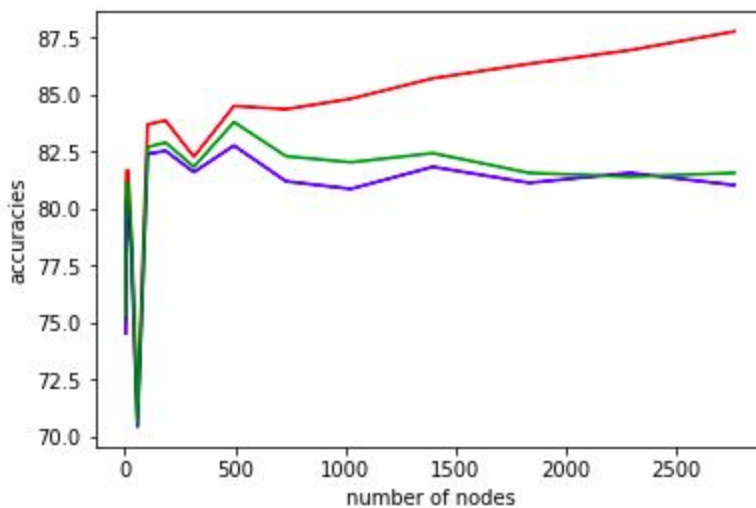
Numerical Processing:-

The categorical features have been converted to continuous numerical integer values as one hot encoding was very slow to run.

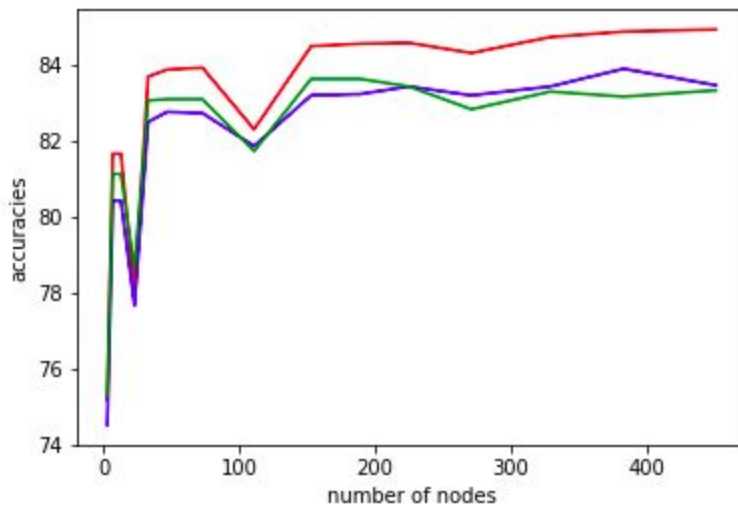
Plots:-

Note: red = Train, blue = Validation, green = Test

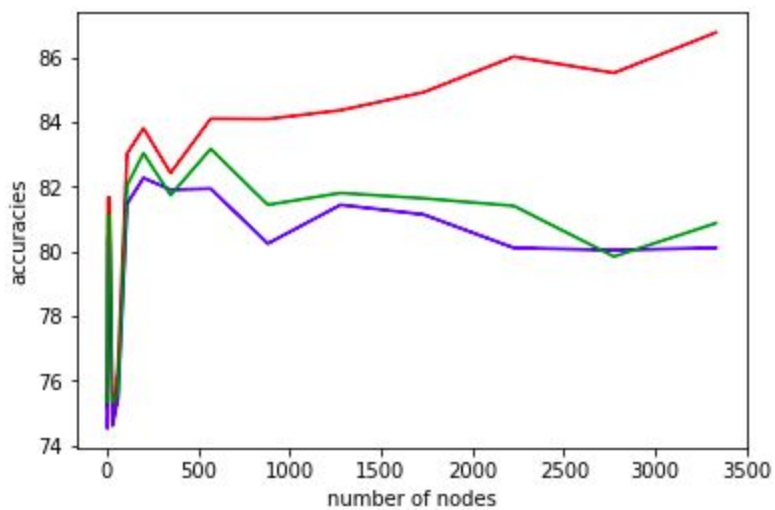
Before pruning, for entropy as criteria for splitting.



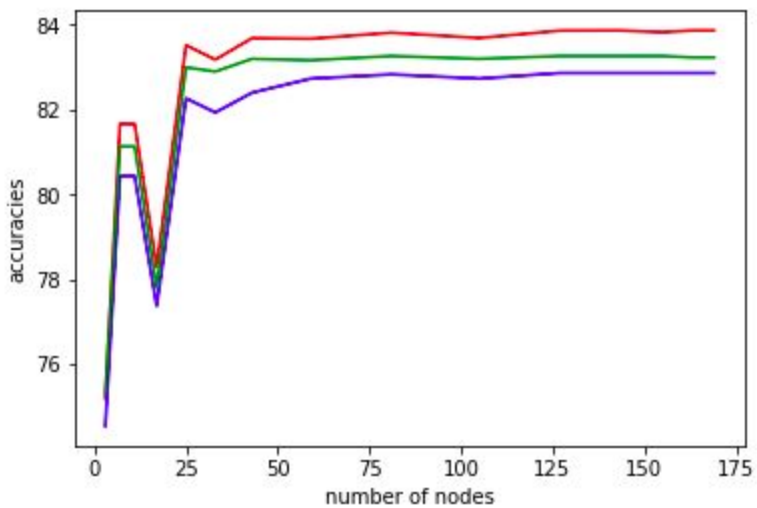
After pruning



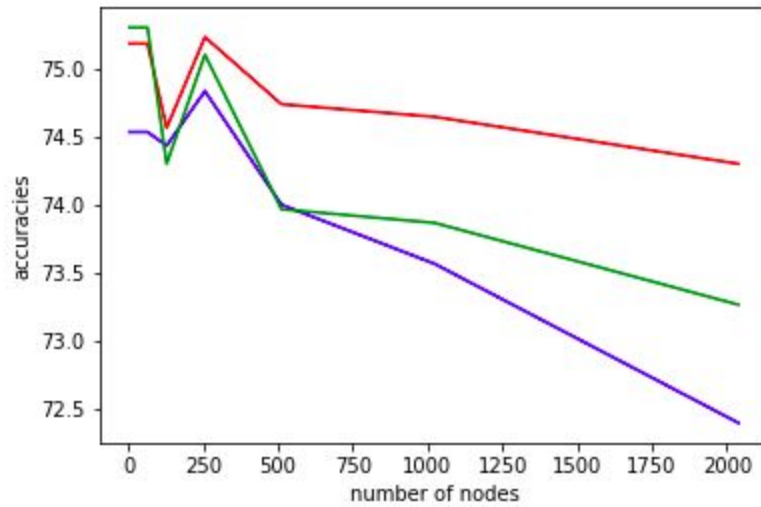
Before pruning using GINI index as splitting criteria



After pruning



Before pruning using Information gain index as splitting criteria



After pruning between depth levels 4 and 7

