CSL 603 - Machine Learning
Lab 1
Decision Trees and Forests
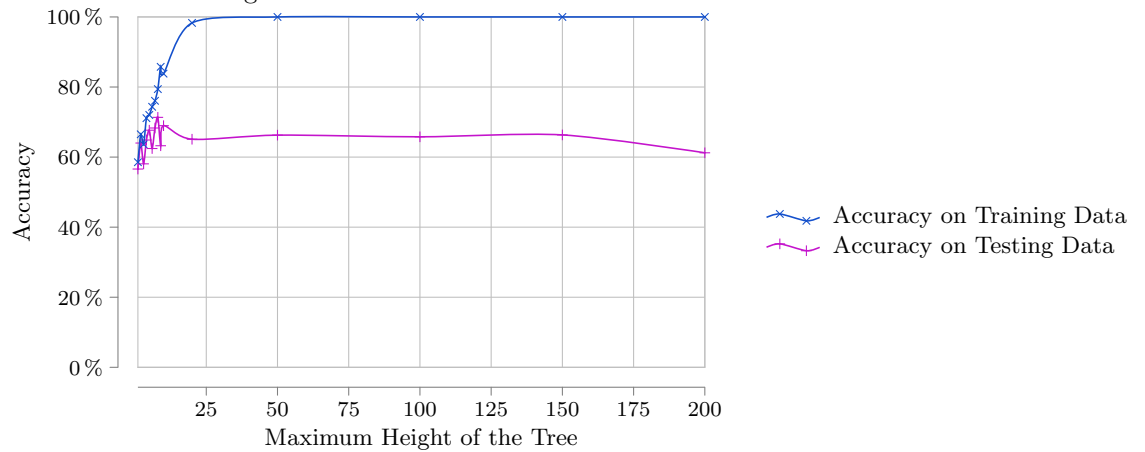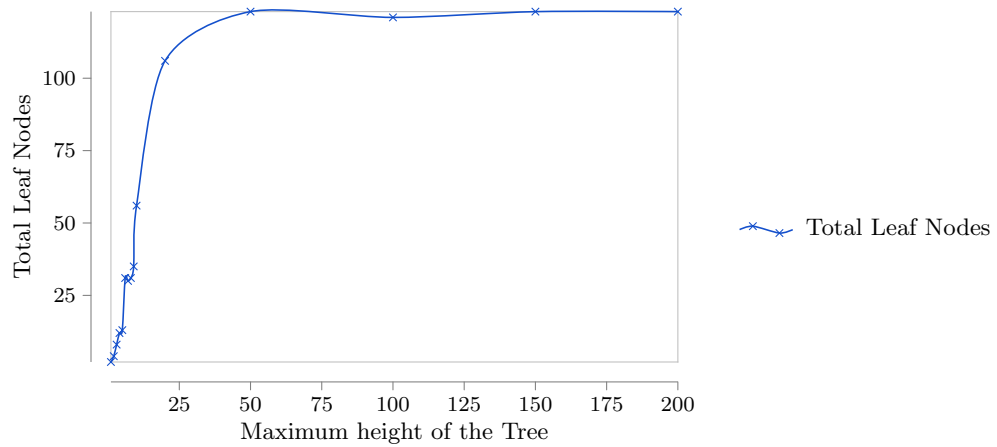
Aditya Gupta
2015csb1003

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Decision Tree (Experiment 2)

A decision tree was learnt using 1000 reviews from the train set and tested on 1000 reviews from the test set. The learned tree showed the following statistics:
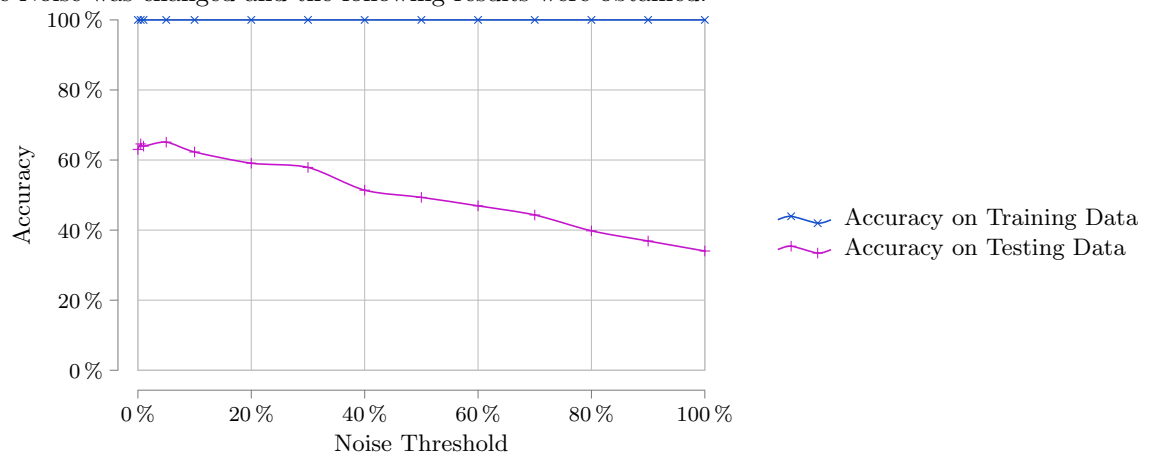
0.1 Effect of Early Stopping

The tree propagation was stopped when a critical height was reached and various properties of the tree such as total terminal nodes (leaf nodes) and the accuracy was noted. The following results were obtained:

Noise (Experiment 3)

The Noise was changed and the following results were obtained:

Pruning (Experiment 4)

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Decision Forests (Experiment 5)

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