

# Report for the Second Requirment

Experiment 1   training set size : 30%   Mean Accuracy : 0.9679500520291363   Max Accuracy :0.9781477627471384   Min Accuracy :0.959417273673257   Mean Tree Size :35.4   Min Tree Size :27   Max Tree Size :41

Experiment 2   training set size : 40%   Mean Accuracy : 0.975242718446602   Max Accuracy :0.991504854368932   Min Accuracy :0.9635922330097088   Mean Tree Size :33.4   Min Tree Size :29   Max Tree Size :37

Experiment 3   training set size : 50%   Mean Accuracy : 0.9778425655976676   Max Accuracy :0.9854227405247813   Min Accuracy :0.9693877551020408   Mean Tree Size :36.6   Min Tree Size :33   Max Tree Size :41

Experiment 4   training set size : 60%   Mean Accuracy : 0.9846994535519127   Max Accuracy :0.9963570127504554   Min Accuracy :0.970856102003643   Mean Tree Size :43.8   Min Tree Size :37   Max Tree Size :51

Experiment 5   training set size : 70%   Mean Accuracy : 0.979611650485437   Max Accuracy :0.9878640776699029   Min Accuracy :0.9611650485436893   Mean Tree Size :45.4   Min Tree Size :41   Max Tree Size :55