With train ratio = 0.25

```
Training accuracy(0.25): 1.0
Testing  accuracy(0.75): 0.9079754601226994
Tree size: 26
Training accuracy(0.25): 1.0
Testing  accuracy(0.75): 0.8834355828220859
Tree size: 13
Training accuracy(0.25): 1.0
Testing  accuracy(0.75): 0.950920245398773
Tree size: 26
Training accuracy(0.25): 1.0
Testing  accuracy(0.75): 0.941717791411043
Tree size: 14
Training accuracy(0.25): 1.0
Testing  accuracy(0.75): 0.950920245398773
Tree size: 24
```

```
Min Train accuracy: 1.0
Max Train accuracy: 1.0
Mean Train accuracy: 1.0
Min Test accuracy: 0.8834355828220859
Max Test accuracy: 0.950920245398773
Mean Test accuracy: 0.9269938650306748
Min Tree size: 13
Max Tree size: 26
Mean Tree size: 20.6
```

With train ratio = 0.3

```
Training accuracy(0.3): 1.0
Testing  accuracy(0.7): 0.9278688524590164
Tree size: 21
Training accuracy(0.3): 1.0
Testing  accuracy(0.7): 0.9442622950819672
Tree size: 13
Training accuracy(0.3): 1.0
Testing  accuracy(0.7): 0.9344262295081968
Tree size: 21
Training accuracy(0.3): 1.0
Testing  accuracy(0.7): 0.9081967213114754
Tree size: 17
Training accuracy(0.3): 1.0
Testing  accuracy(0.7): 0.9475409836065574
Tree size: 17
```

```
Min Train accuracy: 1.0
Max Train accuracy: 1.0
Mean Train accuracy: 1.0
Min Test accuracy: 0.9081967213114754
Max Test accuracy: 0.9475409836065574
Mean Test accuracy: 0.9324590163934425
Min Tree size: 13
Max Tree size: 21
Mean Tree size: 17.8
```

With train ratio = 0.4

```
Training accuracy(0.4): 1.0
Testing  accuracy(0.6): 0.9540229885057471
Tree size: 35
Training accuracy(0.4): 1.0
Testing  accuracy(0.6): 0.9425287356321839
Tree size: 25
Training accuracy(0.4): 0.9942528735632183
Testing  accuracy(0.6): 0.9003831417624522
Tree size: 40
Training accuracy(0.4): 1.0
Testing  accuracy(0.6): 0.9157088122605364
Tree size: 31
Training accuracy(0.4): 0.9942528735632183
Testing  accuracy(0.6): 0.9501915708812261
Tree size: 35
```

```
Min Train accuracy: 0.9942528735632183
Max Train accuracy: 1.0
Mean Train accuracy: 0.9977011494252874
Min Test accuracy: 0.9003831417624522
Max Test accuracy: 0.9540229885057471
Mean Test accuracy: 0.9325670498084291
Min Tree size: 25
Max Tree size: 40
Mean Tree size: 33.2
```

With train ratio = 0.5

```
Training accuracy(0.5): 0.9954128440366973
Testing  accuracy(0.5): 0.9170506912442397
Tree size: 42
Training accuracy(0.5): 1.0
Testing  accuracy(0.5): 0.9078341013824884
Tree size: 23
Training accuracy(0.5): 0.9908256880733946
Testing  accuracy(0.5): 0.8986175115207373
Tree size: 52
Training accuracy(0.5): 1.0
Testing  accuracy(0.5): 0.9124423963133641
Tree size: 29
Training accuracy(0.5): 0.9954128440366973
Testing  accuracy(0.5): 0.9032258064516129
Tree size: 40
```

```
Min Train accuracy: 0.9908256880733946
Max Train accuracy: 1.0
Mean Train accuracy: 0.9963302752293579
Min Test accuracy: 0.8986175115207373
Max Test accuracy: 0.9170506912442397
Mean Test accuracy: 0.9078341013824884
Min Tree size: 23
Max Tree size: 52
Mean Tree size: 37.2
```

With train ratio = 0.6

```
Training accuracy(0.6): 0.9961685823754789
Testing  accuracy(0.4): 0.9540229885057471
Tree size: 45
Training accuracy(0.6): 1.0
Testing  accuracy(0.4): 0.9310344827586207
Tree size: 33
Training accuracy(0.6): 1.0
Testing  accuracy(0.4): 0.9482758620689655
Tree size: 47
Training accuracy(0.6): 1.0
Testing  accuracy(0.4): 0.9252873563218391
Tree size: 41
Training accuracy(0.6): 0.9961685823754789
Testing  accuracy(0.4): 0.9482758620689655
Tree size: 58
```

```
Min Train accuracy: 0.9961685823754789
Max Train accuracy: 1.0
Mean Train accuracy: 0.9984674329501916
Min Test accuracy: 0.9252873563218391
Max Test accuracy: 0.9540229885057471
Mean Test accuracy: 0.9413793103448276
Min Tree size: 33
Max Tree size: 58
Mean Tree size: 44.8
```

With train ratio = 0.7

```
Training accuracy(0.7): 0.9967105263157895
Testing  accuracy(0.30000000000000004): 0.9312977099236641
Tree size: 53
Training accuracy(0.7): 0.9967105263157895
Testing  accuracy(0.30000000000000004): 0.9541984732824428
Tree size: 45
Training accuracy(0.7): 1.0
Testing  accuracy(0.30000000000000004): 0.9618320610687023
Tree size: 41
Training accuracy(0.7): 1.0
Testing  accuracy(0.30000000000000004): 0.9618320610687023
Tree size: 39
Training accuracy(0.7): 0.9967105263157895
Testing  accuracy(0.30000000000000004): 0.9541984732824428
Tree size: 57
```

```
Min Train accuracy: 0.9967105263157895
Max Train accuracy: 1.0
Mean Train accuracy: 0.9980263157894737
Min Test accuracy: 0.9312977099236641
Max Test accuracy: 0.9618320610687023
Mean Test accuracy: 0.9526717557251908
Min Tree size: 39
Max Tree size: 57
Mean Tree size: 47.0
```