

UCI ML Repository contains many datasets for classification. You need to find 2 datasets with at least 10 attributes

<https://archive.ics.uci.edu/ml/datasets.php>

Complete the following tables and calculate Training and Testing Accuracy using the accuracy Score

	Dataset1 Training Accuracy	Dataset1 Testing Accuracy	Dataset2 Training Accuracy	Dataset2 Testing Accuracy
DT using gini (without pruning)	0.99	0.80	1.0	0.75
DT using gini (with pruning)	0.82	0.82	0.98	0.78
DT using entropy (without pruning)	0.99	0.80	1.0	0.79
DT using entropy (with pruning)	0.83	0.83	1.0	0.79

- Hint: Check ccp_alpha parameter for pruning. Use ccp_alpha = 0.015 for pruning
- Combine the Actual VS. Predicted output of Testing Data and find out the total number of correct classifications and wrong predictions of DT using **Entropy with Pruning on Dataset2**.

Actual Output	Predictions

I dont know what to fill in this table.

Correct Classifications = 249

Wrong Classifications = 76

- Display its results as (Correctly Predict: 20 Out 30)
- Plot a Graph for training and testing accuracy for Data1 and Data2 for all 4 methods (Total 8 Graphs) that will show your model is overfit, underfit or Generalized.