

Assignment 01

Implementation of KNN and Decision Tree using RandomizedSearchCV to tune Hyperparameters:

1. Implement Decision Tree on Iris dataset, Use RandomizedSearchCV to find the best values and Best Accuracy for the following:

- a. max_depth: 3-10
- b. criterion: gini, entropy
- c. max_leaf_nodes: 2-10

2. Implement KNN on Iris dataset, Use RandomizedSearchCV to find the best values and Best Accuracy for the following:

- a. n_neighbors: 1,3,5,7,10
- b. weights: uniform, distance
- c. algorithm: auto, ball_tree, kd_tree