

21BM681 Machine Learning and Embedded Programming Lab

Exercise 9

Date:1/11/2023

Decision Making – Ensemble Learning

1. Design and implementation of a classifier using ensemble learning for two-class and multi-class classification. Use Iris dataset and Dataset used for term work.

Note: Choose a set of base classifiers. These can be different algorithms or variations of a single algorithm with different parameters. Common base classifiers include decision trees, random forests, support vector machines, and k-nearest neighbors. Combine their predictions using majority voting (for classification) to make the final prediction.