

Implement every code from scratch without using any pre-defined libraries such as sklearn.

1. Take the Iris dataset (<https://www.kaggle.com/datasets/uciml/iris>) that you used in Assignment 5. Create an ensemble classifier using the Bagging technique. Evaluate the performance of the model on the validation and test sets that you created.
2. Take the breast-cancer dataset (<https://archive.ics.uci.edu/dataset/14/breast+cancer>) and implement the Adaboost algorithm for this binary classification problem. Split the dataset into train, validation, and test datasets in the ratio of 80:10:10.