Assignment 1 (Machine Learning)

Please submit your Assignment 1 and Assignment 2 (compile into one pdf file) by 20 Oct. 2024 to the submission port of EE6407 assignments under the folder of Assignments.

Question:

Given a 2-class pattern classification problem, where the training data is given in data_train, and the class label is given in the label_train. The test data is given in data_test (26 samples).

(1) Train two classifiers: Bayes decision rule, Naïve Bayes, and use the trained classifier to predict the class label of the test data.

(2) Compare and discuss the results of the 2 classifiers.

Note: Do not include code. The submission should include the parameters of the classifiers, the prediction results (test data only) and discussions only. The length should be within 3 pages.