

Assignment 1

Please submit your Assignment 1 and Assignment 2 (compile into one file) to [submission portal of EE6407 assignments 1&2](#) under the folder of Assignments by 19 Oct 2025.

Question:

The training data is given in TrainingData.xlsx, where columns A-D are the features, and column E gives the class label. The test data is given in TestData.xlsx (30 samples, no label is provided).

- (1) Are there any missing values and outliers in the training data? If there are, describe three methods that can address each of the two problems.
- (2) Assume the samples with missing values and outliers are simply removed from the training data. Design a Naïve Bayes classifier using this modified training data (show the design steps and the discriminant function).
- (3) Predict the class label of the test data.