Assignment 2 Due: 9th April 12 Noon 5 Marks

You have to carry out Naïve Bayes classification tasks on the following UCI Machine Repository Datasets

Tic-Tac-Toe Endgame Data Set **(https://archive.ics.uci.edu/ml/datasets/Tic-Tac-Toe+Endgame)**

SPECT Heart Data Set (https://archive.ics.uci.edu/ml/datasets/SPECT+Heart)

Soybean (Small) Data Set (https://archive.ics.uci.edu/ml/datasets/Soybean+%28Small%29)

Shuttle Landing Control Data Set (https://archive.ics.uci.edu/ml/datasets/Shuttle+Landing+Control)

MONK's Problems Data Set (https://archive.ics.uci.edu/ml/datasets/MONK%27s+Problems)

If there are not predefined test and training samples, do leave one out cross validation. For each case read the data description carefully.

You have to report the classification accuracy. Classification accuracy is defined as the ratio of the test samples your algorithm has correctly classified and the total number of test samples. You need to fill the following table and submit your code.

Dataset	Accuracy
Tic-Tac-Toe Endgame Data Set	
SPECT Heart Data Set	
Soybean (Small) Data Set	
Shuttle Landing Control Data Set	
MONK's Problems Data Set	

NOTE:

You have to write the algorithm on your own. If you copy for the internet, it will be considered plagiarism. If you copy from a fellow student, it will be considered plagiarism. Appropriate action will be taken.