Homework 4

Total points : 15

1. Download Heart Disease and Breast Cancer Wisconsin (Diagnostic) data from `https://archive.ics.uci.edu/datasets`. Apply depth based classifier, SVM based classifier, K-NN based classifier (choose K with proper justification), Kernel density function based classifier on the aforesaid two data sets and compute empirical miss-classification probability for each classifier. Note that the final result will depend on the choice of training and test data set.

Points : 15

Deadline: Deadline of submission is April 7, 2024.

Remark: You can use any package or any programming language to carry out the study.