

Assignment 1

There are 3 types of datasets given below. The details of these three datasets are:

a) **Linearly separable:** These are 2-dimensional artificial data of 2 classes that are linearly separable. Each class is having 1000 data points.

b) **Non-linearly separable:** These are 2-dimensional artificial data of 2 classes that are nonlinearly separable. Each class is having 1000 data points.

c) **Real-world:** Real-world data of 3 classes. (Number of data points for class1 =2388, class2 =2164 & for class3 = 2291)

Build Bayesian classifier for each type of the above-given data.