

IT 542: Pattern Recognition and Machine Learning

Assignment 3

1. Check suitability of naïve-bayes classifier on IRIS data from UCI Machine Learning Repository. Consider 40 samples from each class as training data, use remaining 10 from each class as testing data. Repeat the experiment 10 times and calculate the average accuracy.
2. Implement k-NN classifier and use it for IRIS data with $k = 1, 3, 5$ and 11 . Repeat the experiment 10 times and calculate the average accuracy.