

SRM University – AP, Amaravati

Introduction to Machine Learning

Lab 08: K NN

1. Implement K-NN Classifier for classification of any dataset of your choice.
 - a. Load an existing data set
 - b. Split the data set to train and test sets
 - c. Test your model using test set. Find accuracy and confusion Matrix.
 - d. Examine the effect of the value of K on accuracy/performance. Plot the curve “k vs accuracy” and find out the value of k for maximum accuracy for the test samples.

NOTE: Don't use any library. Develop a generalised function to implement K-NN Classifier.