

DA311 Machine Learning Lab

Lab 3

1. Here we will learn to train and test a kNN model using the attached *data.csv* and *labels.csv* files. You may use your lab 2 code for this assignment.
 - (a) Split the data into train/validation/test sets with ratio 60/20/20. [10]
 - (b) Adopt a principled method for selection of appropriate k for this dataset. [10]
 - (c) Compute the test accuracy. (Should be $> 90\%$). [30]
2. Complete the Perceptron model in *Lab3_DA311_PartB_Questions.ipynb*. [50]