MACHINE INTELLIGENCE AND EXPERT SYSTEMS (EC60091)

AUTUMN SEMESTER - 2018

Computer ASSIGNMENT on k-NN

Q1. Dr. Donald, wants to find out the class of Iris in his garden. This is very important to protect them from the attack of harmful insects. Here in "iris.csv" attributes are given namely,

1. Sepal_Length
2. Sepal_Width
3. Petal_Length
4. Petal_Width
5. Iris_class

Dr. Donald wants to use kNN algorithm.

#Assume test Set = [7.2, 3.6, 5.1, 2.5], and predict the IRIS_class for K=3.

#Vary the value of K**ϵ** [1,5] and predict for the above test Set.

#Confirm your own model with 'scikit learns' inbuilt functions and mention the similarities of prediction and output in the readme file.