- 2. k-nearest neighbor (5 points)—Write a k-NN classifier for the data in the files provided. Make your training data from the training data files provided and test on the test file.
 - a. Test it with k=1
 - b. Test it with k=3

Variables:

I run **K =1,3,5** for test. I have five different test points from test file.

Files and outputs: (see following pages for output results)

1. Code will generate the 2D.ps in the working directory.

Those files can be converted to pdf with online resources.

Files submitted:

1. hw7CSC546_2D.m code

2. homework_classify_test_2D.dat test data

3. homework_classify_train_2D.dat training data





























