

HW6 k nearest neighbor classifier

Goals

In this assignment, you will use the python programming to implement the k nearest neighbor classification algorithm.

Problems

In this assignment, you will need to solve 1 problem. Please follow the instructions in the problem files.

- Problem 1: 100 points (50 points for each subquestion)

Debugging your program using python unit tests (nosetests)

You can use the provided unit tests to debug your code. For example, to debug the code of your solution to problem 1, type:

```
nosetests test1.py
```

If the code is correct, you will pass the unit tests.

How to submit?

Please submit problem1.py (python files) in Canvas system under “HW6 assignment”.