

Alex Sheehan
CSCI 4830/5622
HW1 KNN – Analysis

Using 2 late days.

1. What is the relationship between the number of training examples and accuracy?

As the number of samples of training examples increases the accuracy goes up.

2. What is the relationship between k and accuracy?

As we increase the number of k nearest neighbors

3. What numbers get confused with each other most easily?

Some numbers that get confused with each other most easily:

9,4 – 4,9
7,2 – 2,7
3,5 – 5,3
3,8 – 8,3
6,3 – 3,6
8,5 – 5,8