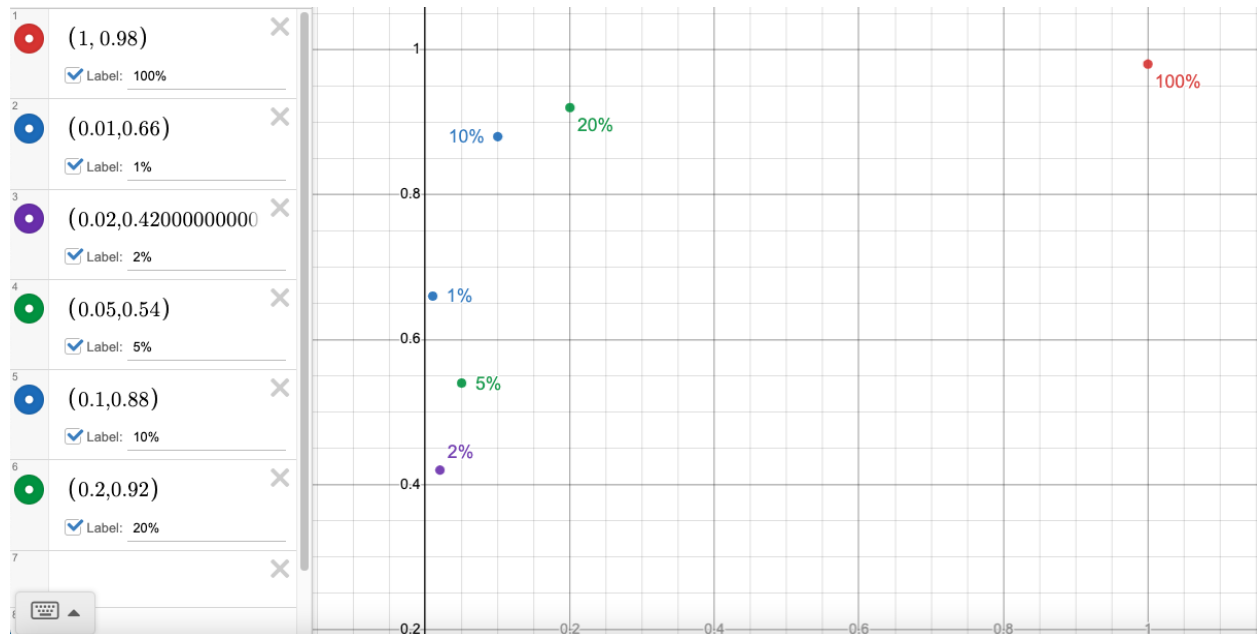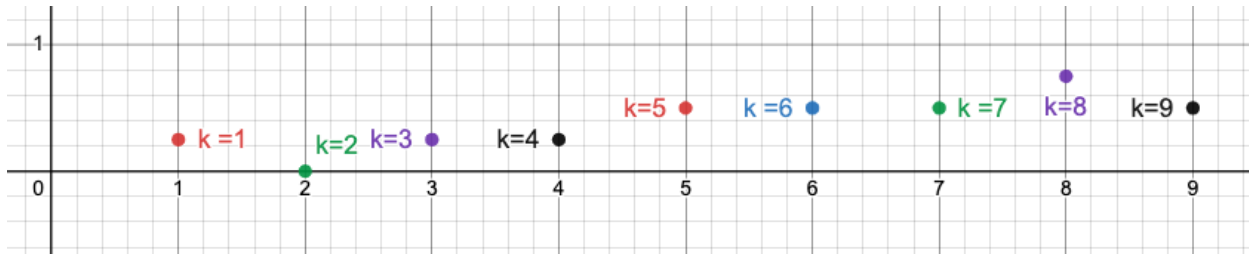# Question 1: Perceptron Algorithm

- 1%: 0.6599999999999999
- 2%: 0.42000000000000004
- 5%: 0.54
- 10%: 0.88
- 20%: 0.92
- 100%: 0.98

For more or equal to 10% of the first 90% training data to train, accuracy increases as more data is added to training data.

Question 2: KNN classifier

- k=1 : 0.25
- k=2 : 0.0
- k=3 : 0.25
- k=4 : 0.25
- k=5 : 0.5
- k=6 : 0.5
- k=7 : 0.5
- k=8 : 0.75
- k = 9 : 0.5

The 8-nearest neighbor method has the highest accuracy overall.