1. Models/Parameters
   1. Naïve Bayes
      1. Default parameters, no modifications are necessary
   2. Knn
      1. Default
         1. k of 5 to start
      2. Modifications
         1. Anything above 5 started to decrease accuracy
         2. Going below 4 does not significantly increase accuracy until k is 2 of 1 which is overfitting to the data so 5 is the best choice.
         3. The increase from various numeric measurements was small. Manhattan Distance with a k of 5 gained 2 points of accuracy and followed the same trends in changing k as mixed Euclidian distance. This suggests that k of 5 is still best.
2. How do they compare?
   1. Neural net
      1. Runtime
         1. 10s
      2. Accuracy
         1. 75.12%
   2. Naïve Bayes
      1. Runtime
         1. Instant
      2. Accuracy
         1. 62.69%
      3. Compare
         1. Much faster than a neural net, however it is not quite as accurate 13% less accurate is not quite worth the speed tradeoff.
   3. Knn
      1. Runtime
         1. Instant
      2. Accuracy
         1. 72.54%
      3. Compare
         1. Using Knn is faster than the neural net, and the accuracy is 3 points off. So, if time was a bigger constraint/ the dataset was larger Knn might be the choice to use, but 10 seconds is not the worst tradeoff for accuracy.