

## CS 760 Machine Learning Homework #2

Dataset explanation:

We tested 3 different sizes of randomized data from trainset, one is size of 25, one is size of 50, the rest is 100. For each size, I created 4 different sets from trainset, and tested accuracy on testset. Here are results on 2 different methods:

Naive Bayes

Size : 25, correct result: 32, 34, 33, 34

Size : 50, correct result: 34, 36, 36, 36

Size : 100, correct result: 36

TAN

Size: 25, correct result: 31, 29, 30, 30

Size: 50, correct result: 32, 33, 29, 31

Size: 100, correct result: 35

Here is the plot for this summary.

