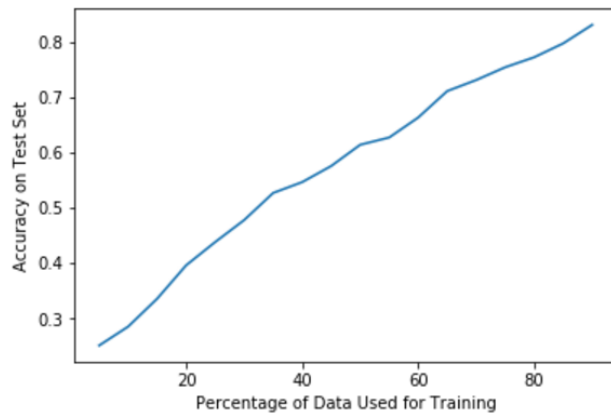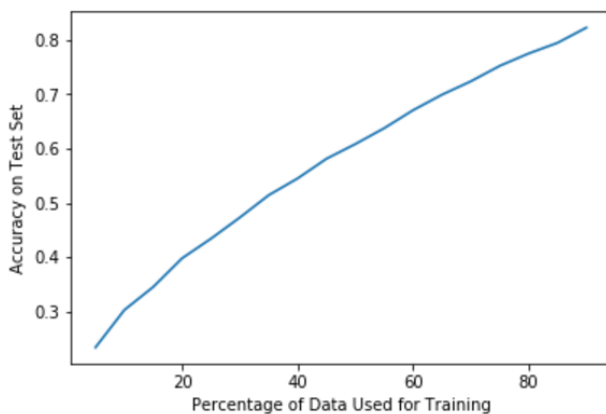num_trials = 10

The very general trend in the curve is that it follows a linear line as you can see in the first picture. The curve is a little bit noisy since we only have 10 trials to find an average for every value. If we increase the number of trials, (image 2 and 3 to the left) we can see that the curve follows a linear line more clearly.
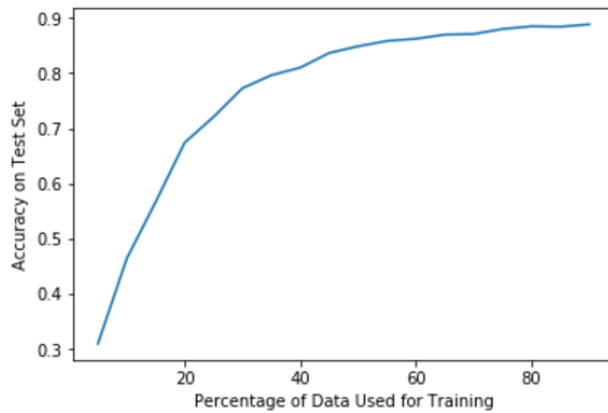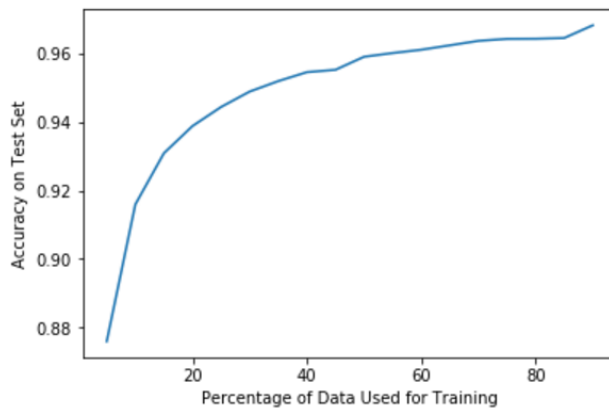

Num_trials = 100

Num_trials = 1000

Num_trials = 100, C = 10**-5

If we change the C value (as seen in the two images to the left). The smaller value of C gives more regularization. A bigger value gives higher accuracy on tests, but less regularization.

Num_trials = 100, C = 10**-1