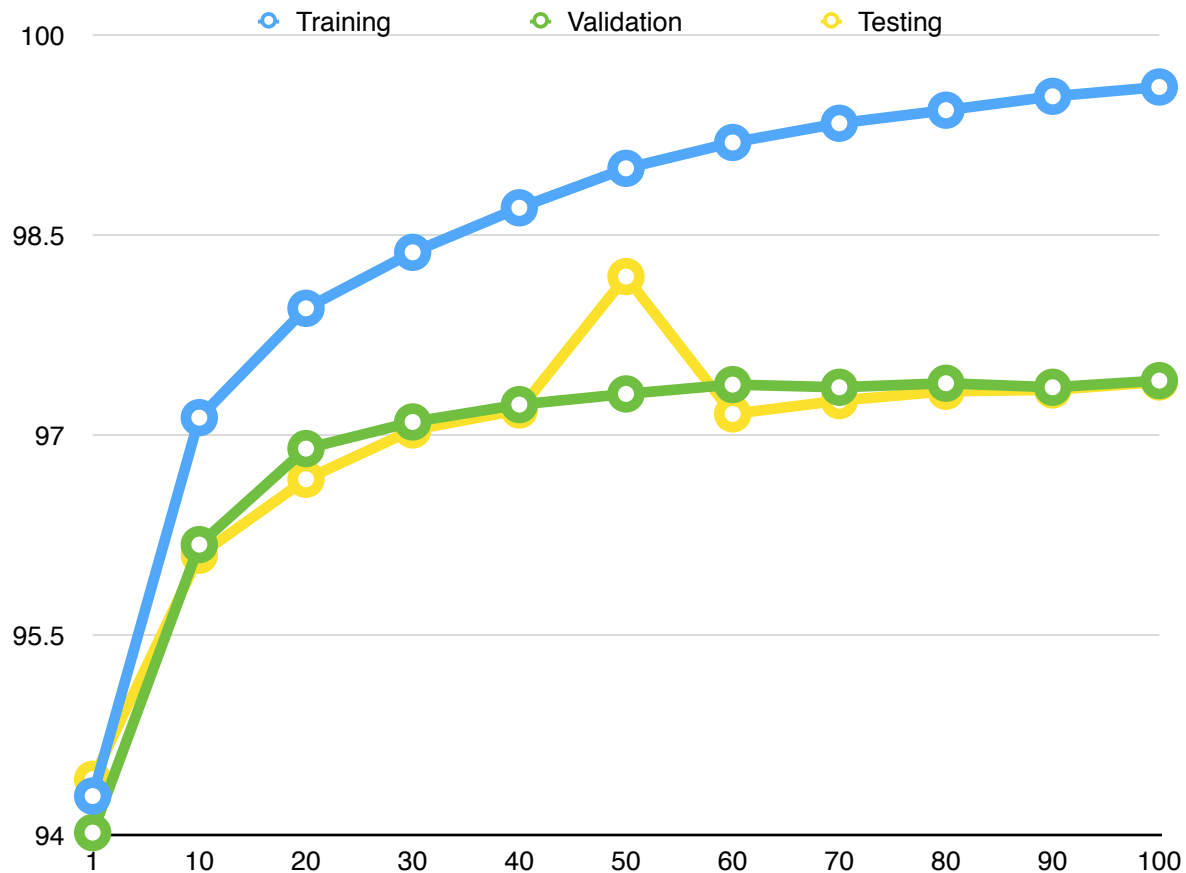


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Group 40

CSE 474 - Project 3



In SVM we tested multiple values in c to see how it would change the accuracy we expected. The accuracies for Training, Validation, and testing at $c=1$ started out around 94%. Training spikes to 97% and Validation and Testing go up around 96% when $c=10$. All percentages continue to rise as c increases. The Testing accuracy has a jump to nearly 98.5% when $c=50$. Testing accuracy drops back down to just over 97 when $c=60$ and it levels out from there. Training accuracy consistently rises and c increases and it nearly reaches 100 as c approaches 100 as well. Validation stabilizes around $c=40$ and does not deviate much from that accuracy.