Sigurður Ágúst Jakobsson

# Project: Assignment 8 - Support Vector Machines

## Section 1.2

## Section 1.4

## Section 1.6

## Section 2.2

100 repetitions for each training method. 95 % two tailed test. Takes about 25 minutes to run.

Linear accuracy 95% [0.9261222459876465, 0.954736842105263, 0.9833514382228795]

Linear precision 95% [0.9244939945832857, 0.9619909247582945, 0.9994878549333033]

Linear recall 95% [0.9299468585682926, 0.9667232254036431, 1.0034995922389935]

RBF accuracy 95% [0.9246491540959695, 0.949766081871345, 0.9748830096467206]

RBF precision 95% [0.9141815541702972, 0.9503008679481928, 0.9864201817260884]

RBF recall 95% [0.9442835294767578, 0.9712425183192093, 0.9982015071616608]

Poly accuracy 95% [0.8985045734312762, 0.9322807017543857, 0.9660568300774952]

Poly precision 95% [0.8754561898541681, 0.9252664545750217, 0.9750767192958752]

Poly recall 95% [0.9431909944584462, 0.9713222958053481, 0.99945359715225]

## Independent Section