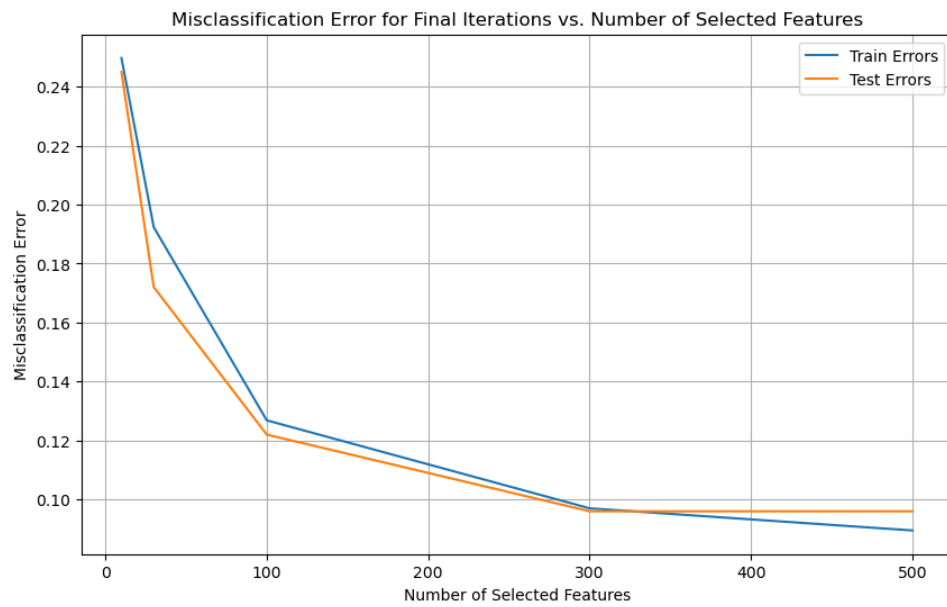
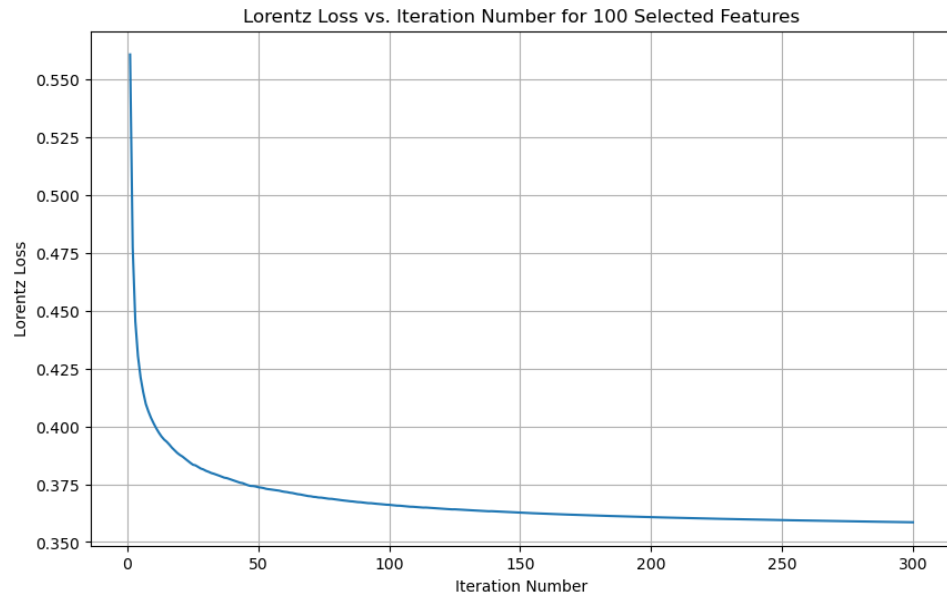
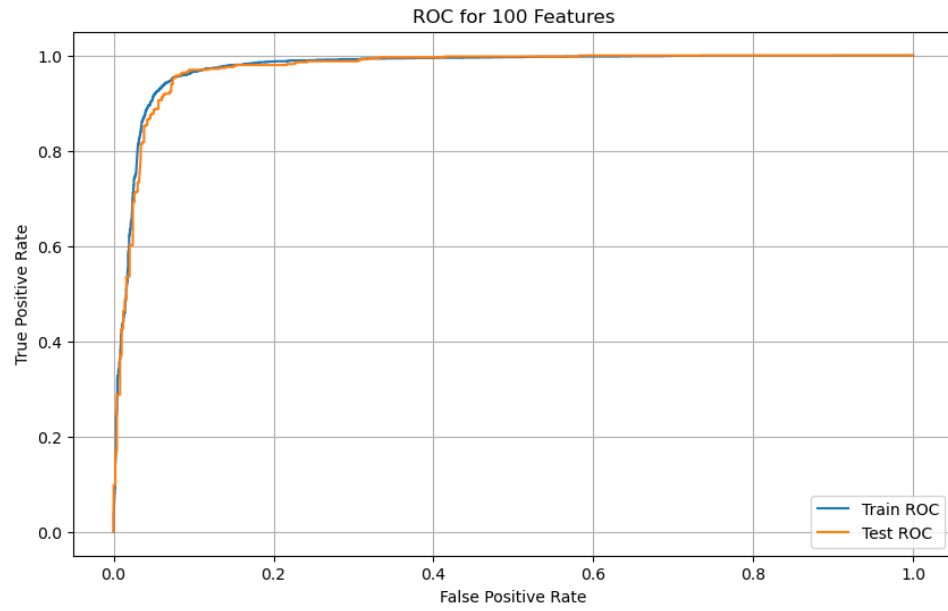


Homework 5

Evan Stansell

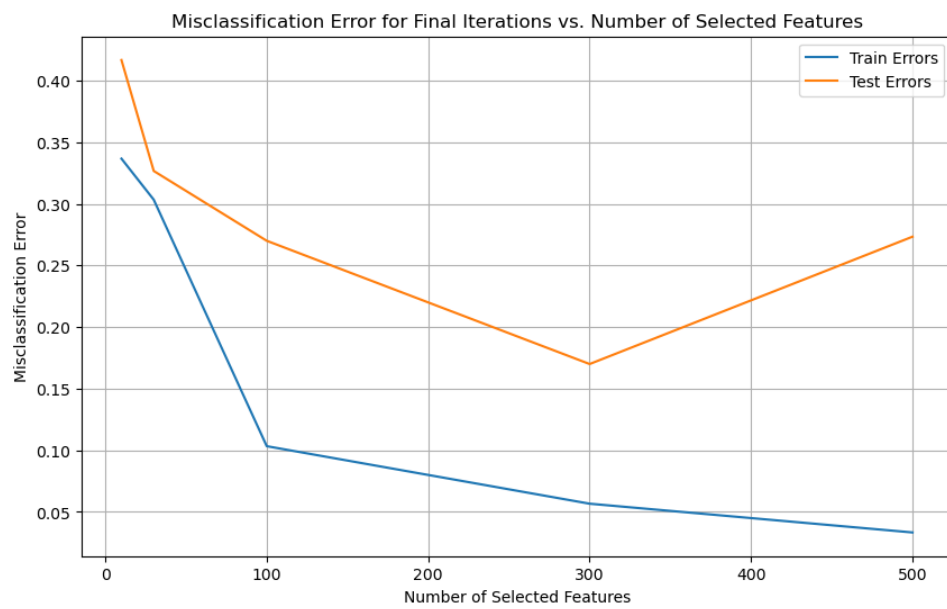
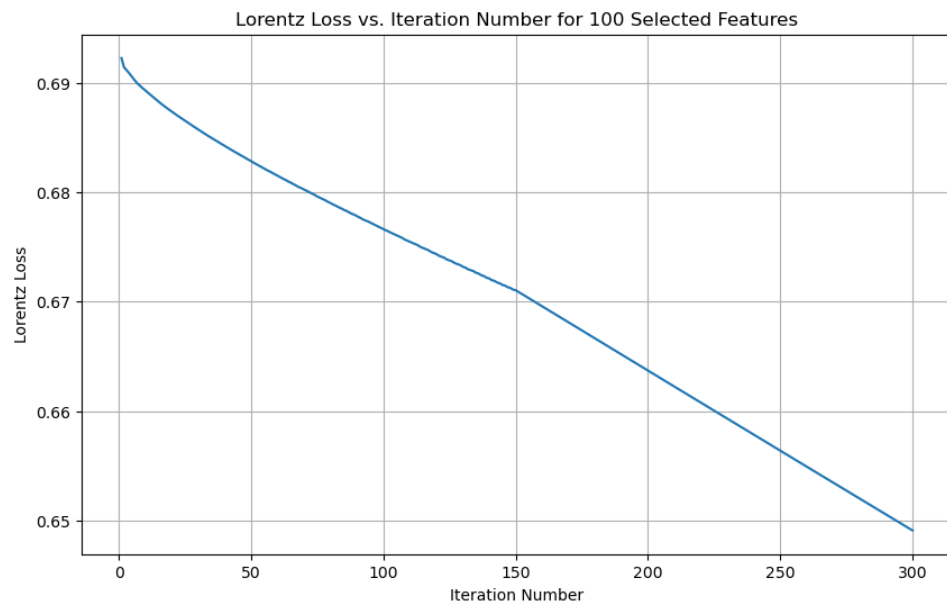
(a) Gisette dataset

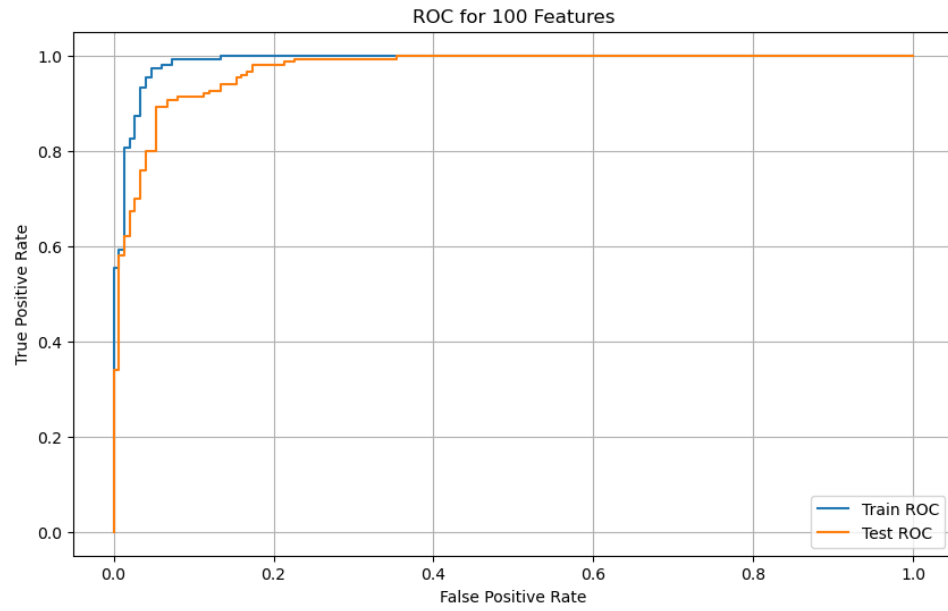




Number of features	Train Misclassification	Test Misclassification
10	0.250	0.245
30	0.192	0.172
100	0.127	0.122
300	0.097	0.096
500	0.090	0.096

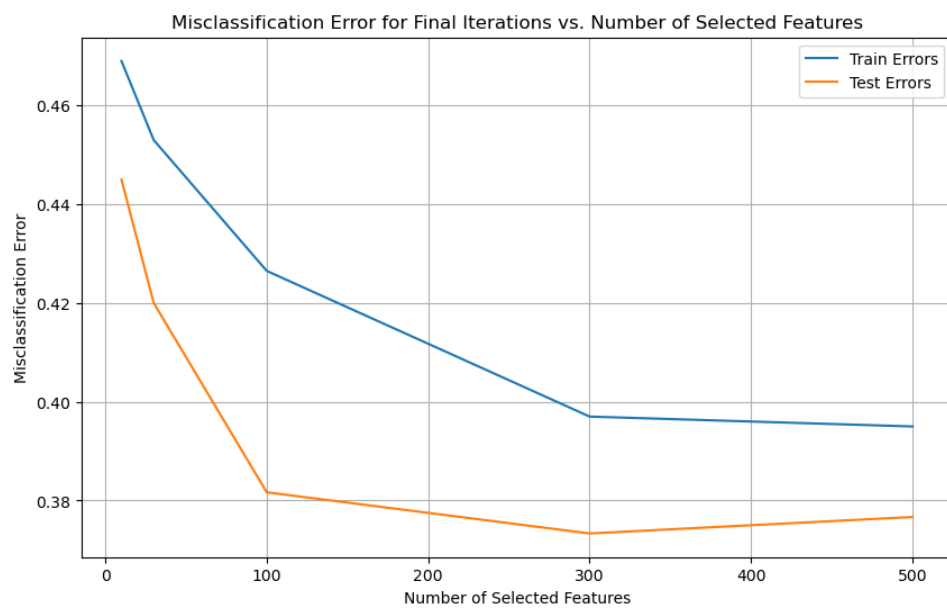
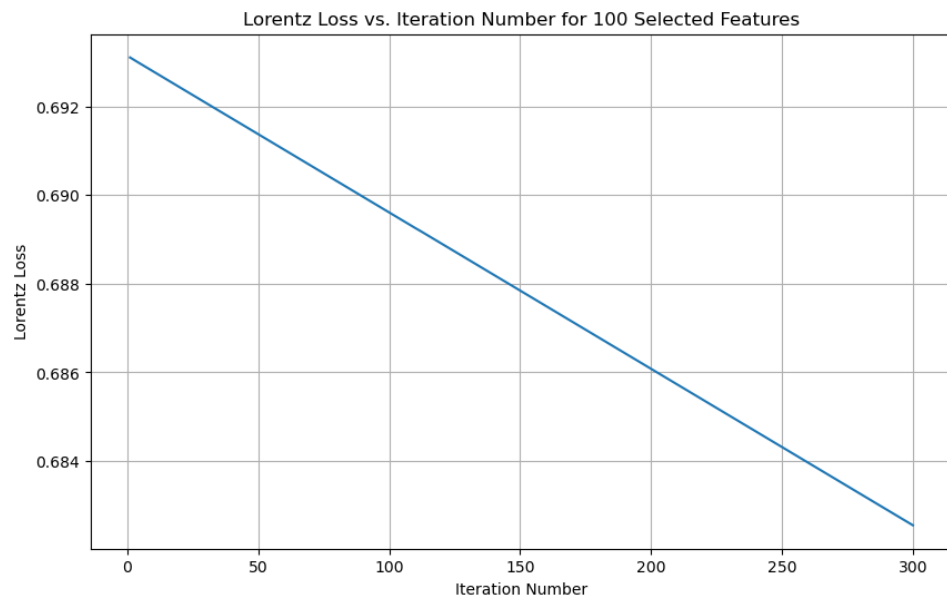
(b) Dexter dataset

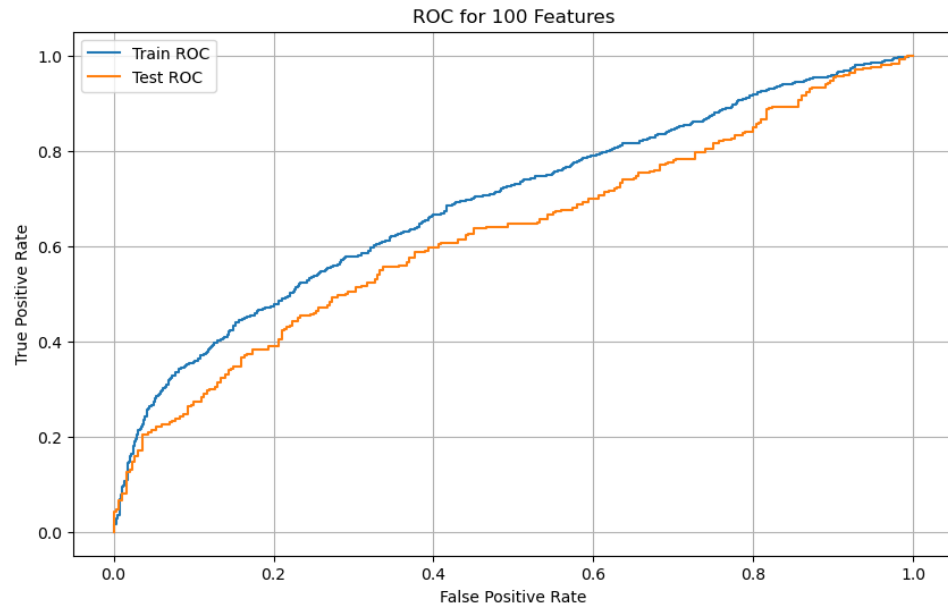




Number of features	Train Misclassification	Test Misclassification
10	0.337	0.417
30	0.303	0.327
100	0.103	0.270
300	0.057	0.170
500	0.033	0.273

(c) Madelon dataset





Number of features	Train Misclassification	Test Misclassification
10	0.469	0.445
30	0.453	0.420
100	0.427	0.382
300	0.397	0.373
500	0.395	0.377