

Task2, student number: s1643102

Report for Bernoulli naive Bayes classification

my_bnb_system: Elapsed time is 17.430218 seconds.	
Number of test samples:	7800
Number of errors:	2893
Accuracy:	62.91%

Threshold	Number of test samples	Number of errors:	Accuracy:
10	7800	2799	64.12%
20	7800	2814	63.92%
30	7800	2785	64.29%
40	7800	2783	64.32%
50	7800	2771	64.47%
60	7800	2787	64.27%
70	7800	2782	64.33%
80	7800	2783	64.32%
90	7800	2785	64.29%
100	7800	2788	64.26%
150	7800	2883	63.04%

The accuracy seems to be highest when the threshold is around 50 and then slowly starts to decrease.