

Ling 570 Hw9
Michael Roylance (roylance@uw.edu) Olga Whelan (olgaw@uw.edu)

Expt id	rare thresh	feat thresh	training accuracy	test accuracy	# of feats	# of kept feats	running time
1_1	1	1	0.708230178037071	0.535320538995508	39348	39348	real 4m8.310s user 3m49.006s sys 0m18.790s
1_3	1	3	0.71529138231685	0.56267864434463	39348	17679	real 4m1.240s user 3m42.529s sys 0m20.596s
2_1	2	1	0.763600353060214	0.550020416496529	42688	42688	real 5m0.797s user 4m41.210s sys 0m21.634s
2_3	2	3	0.751759919054488	0.589628419763169	42688	15127	real 4m40.208s user 4m20.053s sys 0m21.799s
3_3	3	3	0.75875653914878	0.606778276847693	42546	14923	real 6m31.543s user 3m46.587s sys 0m28.360s
3_5	3	5	0.73350412262384	0.60024499795835	42546	9652	real 4m33.505s user 2m58.870s sys 0m28.913s
5_10	5	10	0.773352565068567	0.636994691710902	42174	5158	real 5m9.031s user 2m46.256s sys 0m25.711s

Conclusions

Test has higher accuracy with higher feature threshold.

The time doesn't seem to correlate to the feature or rare-word threshold.