

blue means default value was best (or within 1%)						
green means a new value was best						
red means bad parameters						
Fasttext						
Epochs	10	20	40	80	60	70
Accuracy	0.39	0.67	0.82	0.85	0.84	0.84
Training time (s)	0.6	0.9	1.6	3	2	2
Epochs	80	100	120	140	160	320
Accuracy	0.85	0.852	0.852	0.853	0.85	0.85
Training time (s)	3	4	4	5	6	11
Learning rate	0.3	0.2	0.1	0.01	0.01 & 800 epochs	
Accuracy	0.852	0.854	0.85	0.39	0.85	
Training time (s)	4	4	4	3.89	28	
Dimensions	2	3	4	5	10	15
Accuracy	0.64	0.8	0.827	0.843	0.849	0.85
Training time (s)	2.7	3	2.5	2	2	2
Dimensions	20	25	50	100	200	400
Accuracy	0.85	0.854	0.85	0.85	0.85	0.848
Training time (s)	2	2	3	4	5	7
WordNGrams	1	2	3			
Accuracy	0.85	0.82	0.79			
Training time (s)	4	9	18			
Note: this technique was best for quick results, but not as good as yake overall						
Preprocessing	Lowercase	remove punctuat	remove stopwords	lemmatizing	stemming	
Accuracy	0.856	0.868	0.88	0.875	0.87	
Training time (s)	4.4	4.2	3.5	7	17	
Note: it took 33 mins to preprocess the yake keywords initially						
Yake keywords	0.5	0.6	0.7	0.8	0.9	1
Accuracy	0.813	0.837	0.88	0.885	0.89	0.89
Training time (s)	1.5	1.5	2	2	2	2
Preprocessing (a	Lowercase	remove punctuat	remove stopwords			
Accuracy	0.902	0.887	0.887			
Training time (s)	2.4	2.4	2.7			
Pretrained Vector	dim=300	epoch=200				
Accuracy	0.906	0.905				
Training time (s)	95	105				