

TFIDF

TFIDF				
	Hyperparameters		Accuracy Disambiguation Results	
num	max_features-max_df-min_df	ngram_range (min-max)	Folds Mean	Folds Standard Deviation
18	10000-x-x	1-1	0.993985729	0.00215370680952
7	10000-x-x	1-3	0.993848451	0.00193200315606
3	1000000-x-x	1-1	0.99384314	0.00205146754044
21	0-1.0-1	1-1	0.99384314	0.00205146754044
22	0-0.5-1	1-1	0.99384314	0.00205146754044
3	1000000-x-x	1-1	0.99384314	0.00205146754044
9	0-1.0-5	1-3	0.993423521	0.00201047539571
4	0-1.0-5	1-1	0.993133558	0.00218273240767
23	0-0.50-5	1-1	0.993133558	0.00218273240767
8	1000-x-x	1-3	0.992712026	0.00215144149973
2	1000-x-x	1-1	0.992707516	0.00238575677591
10	1000000-x-x	1-3	0.992412988	0.00266972610682
24	0-1.0-1	1-3	0.992130401	0.00240002548718
1	0-0.5-1	1-3	0.992130401	0.00240002548718
13	10000-x-x	3-3	0.943000964	0.00705124197863
6	1000000-x-x	3-3	0.93081097	0.0118274386654
12	0-1.0-1	3-3	0.93081097	0.0118274386654
15	0-0.5-1	3-3	0.93081097	0.0118274386654
11	0-0.50-5	3-3	0.923550529	0.0103307449274
16	0-1.0-5	3-3	0.923409386	0.0103891164265
14	1000-x-x	3-3	0.911830019	0.0125052184031
19	log(nub_distinct_words)+1-x-x	1-1	0.78507762	0.0156886575107
5	log(nub_distinct_words)+1-x-x	1-3	0.784929794	0.0155944192474
20	log(nub_distinct_words)+1-x-x	3-3	0.656336445	0.0189598278178

LDA

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num	Hyperparameters		Accuracy Disambiguation Results	
	Epoch	Topics Number	Folds Mean	Folds Standard Deviation
12	5	log(nub_distinct_words)+1	0.922496257	0.0151007902223
18	25	log(nub_distinct_words)+1	0.920841472	0.00908481690334
5	100	log(nub_distinct_words)+1	0.914240865	0.0213610637808
3	50	log(nub_distinct_words)+1	0.911620003	0.0153821792348
17	1	log(nub_distinct_words)+1	0.873689506	0.0181646247361
1	5	1000	0.825393242	0.0193785515972
15	1	1000	0.819771021	0.0277479441327
9	25	1000	0.815709886	0.0185858327958
6	100	1000	0.811308795	0.0192106819497
8	50	1000	0.811041464	0.0187021763943

Doc2Vec

Doc2Vec						
num	Hyperparameters				Accuracy Disambiguation Results	
	Epoch	Algorithm	Vector Size	Window Size	Folds Mean	Folds Standard Deviation
2	25	CBOW	200	2	0.997417991	0.00134791368356
7	50	CBOW	200	5	0.996707662	0.00119008538523
12	25	CBOW	100	8	0.99656911	0.00056859267775
18	100	CBOW	100	5	0.994854033	0.00167575337412
14	50	CBOW	25	8	0.99414243	0.00107423834094
9	100	CBOW	25	2	0.99385715	0.00111053192598
3	50	Skip-gram	100	2	0.973273012	0.00315378825306
4	5	Skip-gram	25	5	0.956419057	0.00771201912033
17	50	Skip-gram	50	5	0.955335518	0.00147871632149
20	5	Skip-gram	50	5	0.95486771	0.00356786904157
16	25	Skip-gram	25	5	0.954621557	0.00242438461446
1	25	Skip-gram	50	5	0.953754579	0.00153315395128
19	5	Skip-gram	100	2	0.95120892	0.00408886651267
13	100	Skip-gram	200	5	0.939448852	0.00451899615355
5	100	Skip-gram	50	8	0.937002679	0.00751453590299
10	5	CBOW	200	8	0.934011488	0.00663776793119
8	1	Skip-gram	100	5	0.697029389	0.0125591469037
15	1	Skip-gram	200	2	0.676655997	0.02032961451
11	1	CBOW	50	2	0.674829579	0.0215124738154
6	1	CBOW	25	8	0.67436053	0.0240739900272