Table 1: Cross-validation accuracy. Ibsen corpus

Features	SVC	Naïve Bayes	Random Forest	Logistic Regression
bigrams	0.6467	0.8000	0.8846	0.9873
bigrams pos	0.7873	0.6170	0.8303	0.8216
bigrams pos punct	0.9746	0.9958	0.9917	1.0000
bigrams pos punct tf	0.9746	0.9958	1.0000	0.5446
bigrams pos punct tfidf	0.9746	0.9958	1.0000	0.5446
bigrams pos tf	0.8045	0.7870	0.9786	0.5446
bigrams pos tfidf	0.8045	0.7784	0.9784	0.5446
bigrams punct	0.8380	0.9571	0.9745	1.0000
bigrams punct tf	0.8422	0.9571	0.9828	0.5446
bigrams punct tfidf	0.8422	0.9871	0.9828	0.5446
bigrams tf	0.7150	0.8000	0.9741	0.5446
bigrams tfidf	0.7150	0.8889	0.9741	0.5446
cohesive	0.6944	0.5408	0.7486	0.7406
cohesive punctuation	0.8380	0.8723	0.9103	0.9192
cohesive punctuation tf	0.8380	0.8723	0.9828	0.5446
cohesive punctuation tfidf	0.8380	0.9025	0.9870	0.5446
cohesive tf	0.6775	0.5366	0.9525	0.5446
cohesive tfidf	0.6775	0.5493	0.9609	0.5446
syntactic n2	0.8034	0.9567	0.9828	0.9957
syntactic n2 tf	0.7092	0.9567	0.9957	0.5399
syntactic n2 tfidf	0.7092	0.9784	0.9913	0.5399
syntactic n3	0.4851	0.8929	0.9658	0.9830
syntactic n3 tf	0.4851	0.8929	0.9745	0.5399
syntactic n3 tfidf	0.4851	0.9574	0.9915	0.5399
trigrams	0.5404	0.8000	0.6301	0.8723
trigrams pos	0.7649	0.5625	0.7451	0.8174
trigrams pos punct	0.9612	0.9958	0.9833	0.9958
trigrams pos punct tf	0.9697	0.9958	1.0000	0.5446
trigrams pos punct tfidf	0.9697	0.9958	1.0000	0.5446
trigrams pos tf	0.8083	0.6051	0.9826	0.5446
trigrams pos tfidf	0.8083	0.6982	0.9826	0.5446
trigrams punct	0.5616	0.8895	0.9277	0.9703
trigrams punct tf	0.5616	0.8895	0.9404	0.5446
trigrams punct tfidf	0.5616	0.9701	0.9404	0.5446
trigrams tf	0.5446	0.8000	0.8212	0.5446
trigrams tfidf	0.5446	0.8337	0.8466	0.5446
unigrams	0.8466	0.8897	0.9277	0.9828
unigrams punct	0.8636	0.9489	0.9915	1.0000
unigrams punct tf	0.8931	0.9489	0.9957	0.5446
unigrams punct tfidf	0.8931	0.9788	0.9913	0.5446
unigrams tf	0.8679	0.8897	0.9826	0.5446
unigrams tfidf	0.8679	0.9404	0.9913	0.5446

Table 2: Cross-validation accuracy. Quixote corpus

Features	SVC	Naïve Bayes	Random Forest	Logistic Regression
bigrams	0.6296	0.3967	0.9842	0.9842
bigrams pos	0.8281	0.4439	0.6110	0.8596
bigrams pos punct	0.9868	0.8680	0.9841	0.9920
bigrams pos punct tf	0.9868	0.8680	0.9789	0.2699
bigrams pos punct tfidf	0.9868	0.8680	0.9789	0.2699
bigrams pos tf	0.8202	0.4385	0.7299	0.2699
bigrams pos tfidf	0.8202	0.4332	0.7247	0.2699
bigrams punct	0.8121	0.6401	0.9895	0.9868
bigrams punct tf	0.8121	0.6401	0.9973	0.2699
bigrams punct tfidf	0.8121	0.9393	0.9921	0.2699
bigrams tf	0.6323	0.3967	0.9735	0.2699
bigrams tfidf	0.6323	0.8441	0.9815	0.2699
cohesive	0.8622	0.7488	0.9309	0.9233
cohesive punctuation	0.9658	0.8679	0.9682	0.9788
cohesive punctuation tf	0.9632	0.8679	0.9947	0.2699
cohesive punctuation tfidf	0.9632	0.9023	0.9868	0.2699
cohesive tf	0.8701	0.7488	0.9788	0.2699
cohesive tfidf	0.8701	0.7488	0.9842	0.2699
syntactic n2	0.6747	0.4496	0.9895	0.9736
syntactic n2 tf	0.6668	0.4496	0.9789	0.2699
syntactic n2 tfidf	0.6668	0.8943	0.9816	0.2699
syntactic n3	0.2169	0.1269	0.9447	0.9207
syntactic n3 tf	0.2115	0.1269	0.9341	0.2699
syntactic n3 tfidf	0.2115	0.6481	0.9393	0.2699
trigrams	0.1243	0.0501	0.9258	0.8890
trigrams pos	0.8413	0.4369	0.6661	0.8676
trigrams pos punct	0.9947	0.9473	0.9789	0.9947
trigrams pos punct tf	0.9947	0.9473	0.9815	0.2699
trigrams pos punct tfidf	0.9947	0.9736	0.9657	0.2699
trigrams pos tf	0.8492	0.4395	0.7852	0.2699
trigrams pos tfidf	0.8492	0.5111	0.7644	0.2699
trigrams punct	0.4713	0.5269	0.9868	0.9763
trigrams punct tf	0.4765	0.5269	0.9868	0.2699
trigrams punct tfidf	0.4765	0.8995	0.9815	0.2699
trigrams tf	0.1270	0.0501	0.9206	0.2699
trigrams tfidf	0.1270	0.3889	0.9366	0.2699
unigrams	0.9604	0.8072	1.0000	0.9895
unigrams punct	0.9604	0.8126	1.0000	0.9867
unigrams punct tf	0.9604	0.8126	0.9974	0.2699
unigrams punct tfidf	0.9604	0.9208	0.9921	0.2699
unigrams tf	0.9604	0.8072	0.9921	0.2699
unigrams tfidf	0.9604	0.9208	0.9921	0.2699