Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231									3977	2.7G	16.5M
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	9.4996015936255	0.191758787090592	1.00198690977092	0.998841996911992	1.0002455192 7326	0.998759305210918	0.985294117647059	1.004329004329	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.99601593625498	0.909645199251278	1.00712949976625	1.01248069994853	1.00982077093052	1.01240694789082	0.963235294117647	0.956709956709957	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	1.09880478087649	1.02647118445058	1.0067788686302	0.99511065362841	1.00049103854653	0.995037220843672	0.948529411764706	1.01731601731602	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	1.18645418326693	1.00770046887299	0.951145395044413	0.889603705609882	0.917873803093543	0.889578163771712	1.20588235294118	1.38528138528139	3977		
5-noMidNGrams-false	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	1.08525896414343	0.963200973023349	0.999181860682562	1.02367472979928	1.01178492511662	1.02357320099256	1.02941176470588	0.917748917748918	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	1.12509960159363	1.12218603806269	1.00444132772324	1.00874935666495	1.0066290203781	1.00868486352357	0.96969696969697	0.96969696969697	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	1.02470119521912	1.06836700039753	1.00549322113137	1.00874935666495	1.00712005892463	1.00868486352357	0.970588235294118	0.96969696969697	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.925099601593625	1.1843900307229	0.998246844319776	0.987647967061246	0.987593052109181	1	1.04329004329004	1	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	1.1394422310757	1.07274771157861	0.985273492286115	0.972722593926917	0.978639823226123	0.972704714640198	1.07352941176471	1.0952380952381	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	1.02709163346614	1.15055008990462	0.980598410472183	0.956639217704581	0.967714215565922	0.956575682382134	1.08823529411765	1.15151515151515	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	1.05657370517928	1.10559778015885	0.963884992987377	0.928079214533711	0.944635403879205	0.928039702233251	1.16911764705882	1.25108225108225	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	230	1.09960159362550	1.00970178672	0.951145395044413	0.889603705609882	0.917873803093543	0.889578163771712	1.20588235294118	1.38528138528139	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.518725099601594	1.04283040276743	0.973552033660589	1.00128667009779	0.987724036336853	1.00124069478908	1.19117647058824	0.995670995670996	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.920318725099602	1.06079026555429	1.00642623749416	1.00746268656716	1.00687453965136	1.00744416873449	0.963235294117647	0.974025974025974	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	1.09346613545817	1.11028651009485	1.01332398316971	1.01119402985075	1.01215320402652	1.01116625310174	0.919117647058824	0.961038961038961	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.516334661354582	0.849149789257254	0.982000935016363	1.00501801338137	0.993862018168426	1.00496277915633	1.13235294117647	0.982683982683983	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.519521912350598	1.08161180686908	0.982000935016363	1.00501801338137	0.993862018168426	1.00496277915633	1.13235294117647	0.982683982683983	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.947410358565737	1.08497368677389	1.00479195888928	1.01119402985075	1.00810213601768	1.01116625310174	0.977941176470588	0.961038961038961	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	1.01035856573705	1.09062596255861	1.00058438522674	1.01119402985075	1.00601522219494	1.01116625310174	1.00735294117647	0.961038961038961	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.997609561752988	1.13189257780106	0.998129967274427	1.00128667009779	0.999631721090105	1.00124069478908	1.01470588235294	0.995670995670996	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	1.28366533864542	1.15562845040024	1.00385694249649	1.0199433865157	1.01215320402652	1.01985111662531	0.992647058823529	0.930735930735931	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.27171314741036	1.05650959465258	1.00140252454418	1.01737004632012	1.00969801129389	1.01736972704715	1.00735294117647	0.939393939393939	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	1.14103585657371	1.07938196164459	0.993688639551192	1.01363870303654	1.00392830837221	1.0136476426799	1.05882352941176	0.952380952380952	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.951394422310757	1.13557563966544	0.993104254324451	0.988934637159032	0.990793027252639	0.988833746898263	1.03676470588235	1.03896103896104	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	1.10597609661753	1.12459753532343	0.993688639551192	1.01363870303654	1.00392830837221	1.0136476426799	1.05882352941176	0.952380952380952	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.950597609961753	1.16690791292283	0.993104254324451	0.988934637159032	0.990793027252639	0.988833746898263	1.03676470588235	1.03896103896104	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	1.0980079661274 9	1.1924827627966	0.993688639551192	1.01363870303654	1.00392830837221	1.0136476426799	1.05882352941176	0.952380952380952	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.944223107569721	1.07827098805572	0.993104254324451	0.988934637159032	0.990793027252639	0.988833746898263	1.03676470588235	1.03896103896104	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	1.03585657370518	1.14052236821668	1.00280504908836	1.02740607308286	1.01546771421557	1.02729528535398	1.00735294117647	0.904761904761905	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.927490039840638	1.10676667184419	1	1	1	1	1	1	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.944223107569721	1.1138300420959	0.99450677886863	1.0199433865157	1.00761109747115	1.01985111662531	1.05882352941176	0.930735930735931	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.988844621513944	1.11858985328303	0.992052360916316	0.996268656716418	0.994230297078321	0.996277915632764	1.05147058823529	1.01298701298701	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.900398406374502	1.03051228520957	1.00035063113604	1.00257334019557	1.00135035600295	1.00248138957816	1	0.991341991341991	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	1.01992023187251	1.04804823932855	0.99520804114072	1.02483273288729	1.01043456911368	1.02481389578164	1.05882352941176	0.913419913419913	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.937051792828685	1.12580591659273	1	1	1	1	1	1	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.943426294820717	1.11501736225375	1	1	1	1	1	1	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	1.12191235059761	1.09404312789097	1.00736325385694	0.998841996911992	1.00270071200589	0.998759305210918	0.948529411764706	1.004329004329	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.66852589641434	1.00770046887299	1.00093501636278	0.998841996911992	0.999754480726737	0.998759305210918	0.992647058823529	1.004329004329	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	1.12350597609562	1.03560907141987	0.975689571 467555	0.95908389 0890376	0.966854898109502	0.959057071960298	1.125	1.14285714285714	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	1.01434262948207	1.03051228520957	0.990523959326788	1.01363870303654	1.00245519273263	1.0136476426799	1.08088235294118	0.952380952380952	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	1.13545816733068	1.03458497763573	1.01238896680692	1.0199433865157	1.01620427203535	1.01985111662531	0.933823529411765	0.930735930735931	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.964940239043825	1.03356351373053	1.00467508181393	1.00257334019557	1.00343726982866	1.00248138957816	0.970588235294118	0.991341991341991	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.941832669322709	1.14426334813754	1	1	1	1	1	1	3977		
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.518725099601594	1.42643222135944	1.00350631136045	1.01003602676274	1.00687453965136	1.00992555831266	0.985294117647059	0.96536796536 7965	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.941035856573705	1.09863708282545	1	1	1	1	1	1	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.976095617529881	1.10676667184419	1.00712948094299	1.00128667009779	1.00417382764547	1.00124069478908	0.948529411764706	0.995670995670996	3977		
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.971314741035857	1.07494859772487	0.99965299684461	1.00501801338137	1.00233243330 96	1.00496277915633	1.00735294117647	0.982683982683983	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.954581673306773	1.05650959465258	1.00163627863488	1.00373134328358	1.00270071200589	1.00372208436725	0.992647058823529	0.987012987012987	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	1.133864541832267	1.116204682 41116	1.00712949976625	1.00501801338137	1.00589246255831	1.00496277915633	0.955882352941176	0.982683982683983	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.931474103585657	1.06619244064057	1	1	1	1	1	1	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	1.17051792828685	1.10676667184419	1.00502571294998	1.00501801338137	1.00491038546526	1.00496277915633	0.970588235294118	0.982683982683983	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.982470119521912	1.0997901786772	1.0033894343151	1.00128667009779	1.00296074345937	1.00124069478908	0.977941176470588	0.995670995670996	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.90199203187251	1.09404312789097	1.00572697522207	0.99511065362841	1	0.995037220843672	0.955882352941176	1.01731601731602	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.98725099601594	1.05757581341961	0.999848106591865	1.00746268656716	1.00331451018905	1.00744416873449	1.01470588235294	0.974025974025974	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.924302788844621	1.18305265014846	1	1	1	1	1	1	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.925099601593625	1.12218603806269	1	1	1	1	1	1	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	794	143	237	0.945816733067729	1.13928239580205	0.991584852734923	0.992265980442614	0.992020623618954	0.992555831265509	1.05147058823529	1.02597402597403	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	1.07410358565737	1.08835926043907	1.0101683029453	1.00373134328358	1.00675178001473	1.00372208436725	0.933823529411765	0.987012987012987	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	116.1	4217.39	0.863	0.7715	0.8147	794	127	237	0.92270916334 6613	1.11028651009485	1.0086490135577	0.992265980442614	1.00012275963663	0.992555831265509	0.933823529411765	1.02597402597403	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	794	127	237	0.92270916334 6613	1.12098546443129	1.0086490135577	0.992265980442614	1.00012275963663	0.992555831265509	0.933823529411765	1.02597402597403	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.941832669322709	1.10793819616846	1.01390836839645	0.998841996911992	1.00569709292168	0.998759305210918	0.904411764705882	1.004329004329	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	1.19282868525896	1.15946947060264	0.997428705002338	0.967833247555327	0.981586054505279	0.967741935483871	0.985294117647059	1.11255411255411	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.927490039840638	1.11739726784732	1	1	1	1	1	1	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.959362549800797	1.12218603806269	1.0129735203 3366	1	1.00601522219494	1	0.911764705882353	1	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.929083665338645	1.07716001442686	1	1	1	1	1	1	3977		
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.933067729083665	1.05864466482557	1	1	1	1	1	1	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.931474103585657	1.11146593233591	1	1	1	1	1	1	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	1.04223107569721	1.09518832582592	0.995675549322113	0.998841996911992	0.997176528537476	0.998759305210918	1.02941176470588	1.004329004329	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	1.09003984043745	1.04283040276743	0.999649368863955	1.01248069994853	1.00626074146821	1.01240694789082	1.01470588235294	0.956709956709957	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	16.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.129840319521912	1.13804505496266	1	1	1	1	1	1	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.969721115537849	1.10559778015885	1	1	1	1	1	1	3977		
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.972111553784861	1.04491018752287	1	1	1	1	1	1	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.965737051792829	1.16983417007374	1	1	1	1	1	1	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.927490039840638	1.08835926043907	1	1	1	1	1	1	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.895856537305179	1.13928239580205	1	1	1	1	1	1	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	50.6980079681275	0.13098958264775	0.812412342215989	1.06330416881112	0.926958016204272	1.06327543424318	2.76470588235294	0.779220779220779	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	6.0408764404402	0.986805213687439	0.951963534361851	0.920591536164631	0.935182911858581	0.920595533498759	1.24264705882353	1.27705627705628	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	5.02470119521912	1.10910972049272	0.961898083124656	0.923185795162121	0.941075374441692	0.923076923076923	1.17647058823529	1.26839826839827	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	3.28924302788845	1.08273067864473	0.973352033660406	0.945445187853834	0.95838448315914	0.945409429280397	1	1.19047619047619	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.66852589641434	0.987737167859691	0.976858345021038	0.978988610396294	0.977903256406335	0.978908188585608	1.13970588235294	1.07359307359307	3977		
81-sigma-3	sigma	1	3	258.2	4208.47	0.8379	0.7724	0.8038	801	155	236	2.02231075697211	1.10793819616846	0.979312762973352	0.993823983530623	0.986361269963459	0.993796526054591	1.13970588235294	1.02164502164504	3977		
82-sigma-2	sigma	1	2	152.2	4235.36	0.8494	0.7666	0.8059	795	141	242	1.2605577689243	1.11501736225375	0.99276523188406	0.986361296963459	0.989319911613062	0.986352357320099	1.03676470588235	1.04761904761905	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.941832669322709	0.575273728632844	1.00023374540907	1.00128667009779	1.0007365781979	1.00124069478908	1	0.995670995670996	3977		
84-QNsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.933864541832669	1.09518832582592	1	1	1	1	1	1	3977	2.8G	
85-QNsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	1.13147410358566	1.168528381164	0.999649368863955	1.00501801338137	1.00233243330 96	1.00496277915633	1.00735294117647	0.982683982683983	3977	2.1G	
86-QNsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	1.31553784860558	1.10910972049272	1.00350631136045	1.01003602676274	1.00687453965136	1.00992555831266	0.985294117647059	0.965367965367965	3977	2.0G	
87-QNsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.85577689243028	1.12944948873 15	1.00829827021973	0.997555326814205	1.00257795230926	0.99751801042 1836	0.941176470588235	1.0086580086 5801	3977	1.8G	
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.8149	806	135	231	1.63585657370518	1.10094590716789	1.00105189384469	1	1.00049103854653	1	0.992647058823529	1	3977		7.6M
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.85179282868526	1.11858985328303	1.00175315568022	1.00501801338137	1.00343726982568	1.00496277915633	0.992647058823529	0.982683982683983	3977		10.6M
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.76254980079681	0.792582276548449	1.00303880317946	1.00630468347978	1.00466846961912	1.00620347394541	0.985294117647059	0.978354978354978	3977		12.6M
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	1.09003984043745	1.04804823932855	1.00140252454418	1.00257334019557	1.00196415416861	1.00248138957816	0.992647058823529	0.991341991341991	3977		
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.915537848605578	1.14301284464534	1.00829827021973	0.997555326814205	1.00257795230926	0.99751801042 1836	0.941176470588235	1.0086580086 5801	3977		
93-optimal-configuration-1	-	-	-	668.3	2013.67	0.8651	0.8284	0.8463	859	134	178	5.32509960159363	0.530126603606189	1.01110331930809	1.06587750900669	1.03891480481218	1.06575682382134	0.985294117647059	0.770562770562771	3977		
93-optimal-configuration-2	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.40557768924303	1.20622250537717	1.00409069658719	1.07449819866186	1.03965136263197	1.07444168734491	1.04411764705882	0.74025974025974	3977		

ordered-by-f1-ratio

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size	Precision Diff	Recall Diff	F1 Diff
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M	0.0035	0.0579	0.0323
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977					
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	1.135	1.035	1.012	1.020	1.016	1.020	0.934	0.931	3977					
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	1.036	1.141	1.003	1.027	1.015	1.027	1.007	0.905	3977					
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	1.093	1.110	1.013	1.011	1.012	1.011	0.919	0.961	3977					
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	1.284	1.156	1.004	1.020	1.012	1.020	0.993	0.931	3977					
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	1.085	0.963	0.999	1.024	1.012	1.024	1.029	0.918	3977					
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	1.102	1.048	0.995	1.025	1.010	1.025	1.059	0.913	3977					
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.996	0.910	1.007	1.012	1.010	1.012	0.963	0.957	3977					
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.272	1.057	1.001	1.017	1.010	1.017	1.007	0.939	3977					
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.947	1.085	1.005	1.011	1.008	1.011	0.978	0.961	3977					
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.944	1.114	0.995	1.020	1.008	1.020	1.059	0.931	3977					
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	1.025	1.068	1.005	1.009	1.007	1.009	0.971	0.970	3977					
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.920	1.061	1.006	1.007	1.007	1.007	0.963	0.974	3977					
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.519	1.426	1.004	1.010	1.007	1.010	0.985	0.965	3977					
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	1.316	1.109	1.004	1.010	1.007	1.010	0.985	0.965	3977	2.0G				
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	1.074	1.088	1.010	1.004	1.007	1.004	0.934	0.987	3977					
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	1.125	1.122	1.004	1.009	1.007	1.009	0.978	0.970	3977					
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	1.090	1.043	1.000	1.012	1.006	1.012	1.015	0.957	3977					
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	1.010	1.091	1.001	1.011	1.006	1.011	1.007	0.961	3977					
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.959	1.122	1.013	1.000	1.006	1.000	0.912	1.000	3977					
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7763	0.8194	810	130	227	1.134	1.116	1.007	1.005	1.006	1.005	0.956	0.983	3977					
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.942	1.108	1.014	0.999	1.006	0.999	0.904	1.004	3977					
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	1.171	1.107	1.005	1.005	1.005	1.005	0.971	0.983	3977					
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.763	0.793	1.003	1.006	1.005	1.006	0.985	0.978	3977		12.6M			
46-useEntityTypes-false	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.976	1.107	1.008	1.001	1.004	1.001	0.949	0.996	3977					
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	1.141	1.079	0.994	1.014	1.004	1.014	1.059	0.952	3977					
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	1.106	1.125	0.994	1.014	1.004	1.014	1.059	0.952	3977					
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	1.098	1.192	0.994	1.014	1.004	1.014	1.059	0.952	3977					
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7812	0.8174	808	132	229	0.965	1.034	1.005	1.003	1.003	1.002	0.971	0.991	3977					
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.852	1.119	1.002	1.005	1.003	1.005	0.993	0.983	3977		10.6M			
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.7811	0.8173	812	138	225	0.987	1.058	0.999	1.007	1.003	1.007	1.015	0.974	3977					
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	1.122	1.094	1.007	0.999	1.003	0.999	0.949	1.004	3977					
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.955	1.057	1.002	1.004	1.003	1.004	0.993	0.987	3977					
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.856	1.129	1.008	0.998	1.003	0.998	0.941	1.009	3977	1.8G				
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.916	1.143	1.008	0.998	1.003	0.998	0.941	1.009	3977					
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	1.014	1.031	0.991	1.014	1.002	1.014	1.081	0.952	3977					
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.971	1.075	1.000	1.005	1.002	1.005	1.007	0.983	3977					
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	1.131	1.169	1.000	1.005	1.002	1.005	1.007	0.983	3977	2.1G				
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.982	1.100	1.003	1.001	1.001	1.001	0.978	0.996	3977					
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	1.090	1.048	1.001	1.003	1.002	1.003	0.993	0.991	3977					
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.900	1.031	1.000	1.003	1.001	1.002	1.000	0.991	3977					
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.942	0.575	1.000	1.001	1.001	1.001	1.000	0.996	3977					
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	1.099	1.026	1.007	0.995	1.000	0.995	0.949	1.017	3977					
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	1.636	1.101	1.001	1.000	1.000	1.000	0.993	1.000	3977		7.6M			
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	9.500	0.192	1.002	0.999	1.000	0.999	0.985	1.004	3977					
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.923	1.110	1.009	0.993	1.000	0.993	0.934	1.026	3977					
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.925	1.121	1.009	0.993	1.000	0.993	0.934	1.026	3977					
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.927	1.107	1.000	1.000	1.000	1.000	1.000	1.000	3977					
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.937	1.126	1.000	1.000	1.000	1.000	1.000	1.000	3977					
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.943	1.115	1.000	1.000	1.000	1.000	1.000	1.000	3977					
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.942	1.144	1.000	1.000	1.000	1.000	1.000	1.000	3977					
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.941	1.099	1.000	1.000	1.000	1.000	1.000	1.000	3977					
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.931	1.066	1.000	1.000	1.000	1.000	1.000	1.000	3977					
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.902	1.094	1.006	0.995	1.000	0.995	0.956	1.017	3977					
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.924	1.183	1.000	1.000	1.000	1.000	1.000	1.000	3977					
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.925	1.122	1.000	1.000	1.000	1.000	1.000	1.000	3977					
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.927	1.117	1.000	1.000	1.000	1.000	1.000	1.000	3977					
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.929	1.077	1.000	1.000	1.000	1.000	1.000	1.000	3977					
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.933	1.059	1.000	1.000	1.000	1.000	1.000	1.000	3977					
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.931	1.111	1.000	1.000	1.000	1.000	1.000	1.000	3977					
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.927	1.138	1.000	1.000	1.000	1.000	1.000	1.000	3977					
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.970	1.106	1.000	1.000	1.000	1.000	1.000	1.000	3977					
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.972	1.045	1.000	1.000	1.000	1.000	1.000	1.000	3977					
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.966	1.170	1.000	1.000	1.000	1.000	1.000	1.000	3977					
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.927	1.088	1.000	1.000	1.000	1.000	1.000	1.000	3977					
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.896	1.139	1.000	1.000	1.000	1.000	1.000	1.000	3977					
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.934	1.095	1.000	1.000	1.000	1.000	1.000	1.000	3977	2.8G				
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.669	1.008	1.001	0.999	1.000	0.999	0.993	1.004	3977					
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.998	1.132	0.998	1.001	1.000	1.001	1.015	0.996	3977					
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	1.042	1.095	0.996	0.999	0.997	0.999	1.029	1.004	3977					
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.989	1.119	0.992	0.996	0.994	0.996	1.051	1.013	3977					
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.516	0.849	0.982	1.005	0.994	1.005	1.132	0.983	3977					
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.520	1.082	0.982	1.005	0.994	1.005	1.132	0.983	3977					
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.925	1.184	0.998	0.988	0.993	0.988	1.000	1.043	3977					
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7724	0.8081	800	143	237	0.946	1.139	0.992	0.993	0.992	0.993	1.051	1.026	3977					
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.951	1.136	0.993	0.989	0.991	0.989	1.037	1.039	3977					
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.951	1.157	0.993	0.989	0.991	0.989	1.037	1.039	3977					
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.944	1.078	0.993	0.989	0.991	0.989	1.037	1.039	3977					
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7676	0.8059	795	141	242	1.261	1.115	0.993	0.986	0.989	0.986	1.037	1.048	3977					
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.519	1.043	0.973	1.001	0.988	1.001	1.191	0.996	3977					
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	2.022	1.108	0.979	0.994	0.987	0.994	1.140	1.022	3977					
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	1.193	1.159	0.997	0.968	0.982	0.968	0.985	1.113	3977					
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	1.139	1.073	0.985	0.973	0.979	0.973	1.074	1.095	3977					
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.669	0.988	0.977	0.979	0.978	0.979	1.140	1.074	3977					
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7454	0.7883	771	148	266	1.027	1.151	0.981	0.957	0.968	0.957	1.088	1.152	3977					
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	1.124	1.036	0.976	0.959	0.967	0.959	1.125	1.143	3977					
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	3.289	1.083	0.973	0.945	0.958	0.945	1.125	1.190	3977					
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	1.057	1.106	0.964	0.928	0.945	0.928	1.169	1.251	3977					
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	5.025	1.109	0.962	0.923	0.941	0.923	1.176	1.268	3977					
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	6.041	0.987	0.952	0.921	0.935	0.921	1.243	1.277	3977					
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	50.698	0.131	0.812	1.063	0.927	1.063	2.765	0.779	3977					
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	1.186	1.008	0.951	0.890	0.918	0.890	1.206	1.385	3977					
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	1.100	1.100	0.951	0.890	0.918	0.890	1.206	1.385	3977					

ordered-by-precision-ratio

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	JVM Memory Usage	Model Size
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.942	1.108	1.014	0.999	1.006	0.999	0.904	1.004	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	1.093	1.110	1.013	1.011	1.012	1.011	0.919	0.961	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7927	0.8195	806	124	231	0.959	1.122	1.013	1.000	1.006	1.000	0.912	1.000	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	1.135	1.035	1.012	1.020	1.016	1.020	0.934	0.931	3977		
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	1.074	1.088	1.010	1.004	1.007	1.004	0.934	0.987	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.923	1.110	1.009	0.993	1.000	0.993	0.934	1.026	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.925	1.121	1.009	0.993	1.000	0.993	0.934	1.026	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.856	1.129	1.008	0.998	1.003	0.998	0.941	1.009	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.916	1.143	1.008	0.998	1.003	0.998	0.941	1.009	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.976	1.107	1.008	1.001	1.004	1.001	0.949	0.996	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	1.122	1.094	1.007	0.999	1.003	0.999	0.949	1.004	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.996	0.910	1.007	1.012	1.010	1.012	0.963	0.957	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	1.134	1.116	1.007	1.005	1.006	1.005	0.956	0.983	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	1.099	1.026	1.007	0.995	1.000	0.995	0.949	1.017	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.920	1.061	1.006	1.007	1.007	1.007	0.963	0.974	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.902	1.094	1.006	0.995	1.000	0.995	0.956	1.017	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.7753	0.8204	813	132	224	1.025	1.068	1.005	1.009	1.007	1.009	0.971	0.970	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	1.171	1.107	1.005	1.005	1.005	1.005	0.971	0.983	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.947	1.085	1.005	1.011	1.008	1.011	0.978	0.961	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.965	1.034	1.005	1.003	1.003	1.002	0.971	0.991	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	1.125	1.122	1.004	1.009	1.007	1.009	0.978	0.970	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	1.284	1.156	1.004	1.020	1.012	1.020	0.993	0.931	3977		
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.519	1.426	1.004	1.010	1.007	1.010	0.985	0.965	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	1.316	1.109	1.004	1.010	1.007	1.010	0.985	0.965	3977	2.0G	
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.982	1.100	1.003	1.001	1.002	1.001	0.978	0.996	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.763	0.793	1.003	1.006	1.005	1.006	0.985	0.978	3977		12.6M
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7963	0.8272	828	137	209	1.036	1.141	1.003	1.027	1.015	1.027	1.007	0.905	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	9.500	0.192	1.002	0.999	1.000	0.999	0.985	1.004	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.852	1.119	1.002	1.005	1.003	1.005	0.993	0.983	3977		10.6M
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.955	1.057	1.002	1.004	1.003	1.004	0.993	0.987	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.272	1.057	1.001	1.017	1.010	1.017	1.007	0.939	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	1.090	1.048	1.001	1.003	1.002	1.002	0.993	0.991	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	1.636	1.101	1.001	1.000	1.000	1.000	0.993	1.000	3977		7.6M
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.669	1.008	1.001	0.999	1.000	0.999	0.993	1.004	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	1.010	1.091	1.001	1.011	1.006	1.011	1.007	0.961	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.900	1.031	1.000	1.003	1.001	1.002	1.000	0.991	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.942	0.575	1.000	1.001	1.001	1.001	1.000	0.996	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.927	1.107	1.000	1.000	1.000	1.000	1.000	1.000	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.937	1.126	1.000	1.000	1.000	1.000	1.000	1.000	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.943	1.115	1.000	1.000	1.000	1.000	1.000	1.000	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.942	1.144	1.000	1.000	1.000	1.000	1.000	1.000	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.941	1.099	1.000	1.000	1.000	1.000	1.000	1.000	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.931	1.183	1.000	1.000	1.000	1.000	1.000	1.000	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.924	1.183	1.000	1.000	1.000	1.000	1.000	1.000	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.925	1.122	1.000	1.000	1.000	1.000	1.000	1.000	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.927	1.117	1.000	1.000	1.000	1.000	1.000	1.000	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.929	1.077	1.000	1.000	1.000	1.000	1.000	1.000	3977		
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.933	1.059	1.000	1.000	1.000	1.000	1.000	1.000	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.931	1.111	1.000	1.000	1.000	1.000	1.000	1.000	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.927	1.138	1.000	1.000	1.000	1.000	1.000	1.000	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.970	1.106	1.000	1.000	1.000	1.000	1.000	1.000	3977		
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.972	1.045	1.000	1.000	1.000	1.000	1.000	1.000	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.966	1.170	1.000	1.000	1.000	1.000	1.000	1.000	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.927	1.088	1.000	1.000	1.000	1.000	1.000	1.000	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.896	1.139	1.000	1.000	1.000	1.000	1.000	1.000	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.934	1.095	1.000	1.000	1.000	1.000	1.000	1.000	3977	2.8G	
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	1.090	1.043	1.000	1.012	1.006	1.012	1.015	0.957	3977		
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.971	1.075	1.000	1.005	1.002	1.005	1.007	0.983	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	1.131	1.169	1.000	1.005	1.002	1.005	1.007	0.983	3977	2.1G	
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	1.085	0.963	0.999	1.024	1.012	1.024	1.029	0.918	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.987	1.058	0.999	1.007	1.003	1.007	1.015	0.974	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.925	1.184	0.998	0.988	0.993	0.988	1.000	1.043	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.998	1.132	0.998	1.001	1.000	1.001	1.015	0.996	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	1.193	1.159	0.997	0.968	0.982	0.968	0.985	1.113	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	1.042	1.095	0.996	0.999	0.997	0.999	1.029	1.004	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7966	0.8231	826	144	211	1.102	1.048	0.995	1.025	1.010	1.025	1.059	0.913	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.944	1.114	0.995	1.020	1.008	1.020	1.059	0.931	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	1.141	1.079	0.994	1.014	1.004	1.014	1.059	0.952	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	1.106	1.125	0.994	1.014	1.004	1.014	1.059	0.952	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	1.098	1.192	0.994	1.014	1.004	1.014	1.059	0.952	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.951	1.136	0.993	0.989	0.991	0.989	1.037	1.039	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.951	1.157	0.993	0.989	0.991	0.989	1.037	1.039	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.944	1.078	0.993	0.989	0.991	0.989	1.037	1.039	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	1.261	1.115	0.993	0.986	0.989	0.986	1.037	1.048	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.989	1.119	0.992	0.996	0.994	0.996	1.051	1.013	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7743	0.8081	800	143	237	0.946	1.139	0.992	0.993	0.992	0.993	1.051	1.026	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	1.014	1.031	0.991	1.014	1.002	1.014	1.081	0.952	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	1.139	1.073	0.985	0.973	0.979	0.973	1.074	1.095	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.516	0.849	0.982	1.005	0.994	1.005	1.132	0.983	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.520	1.082	0.982	1.005	0.994	1.005	1.132	0.983	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	1.027	1.151	0.981	0.957	0.968	0.957	1.088	1.152	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	2.022	1.108	0.979	0.994	0.987	0.994	1.140	1.022	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.669	0.988	0.977	0.979	0.978	0.979	1.140	1.074	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	1.124	1.036	0.976	0.959	0.967	0.959	1.125	1.143	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.519	1.043	0.973	1.001	0.988	1.001	1.191	0.996	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	3.289	1.083	0.973	0.945	0.958	0.945	1.125	1.190	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	1.057	1.106	0.964	0.928	0.945	0.928	1.169	1.251	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	5.025	1.109	0.962	0.923	0.941	0.923	1.176	1.268	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	6.041	0.987	0.952	0.921	0.935	0.921	1.243	1.277	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	1.186	1.008	0.951	0.890	0.918	0.890	1.206	1.385	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	1.100	1.100	0.951	0.890	0.918	0.890	1.206	1.385	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	50.698	0.131	0.812	1.063	0.927	1.063	2.765	0.779	3977		

ordered-by-recall-ratio

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	JVM Memory Usage	Model Size
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	50.698	0.131	0.812	1.063	0.927	1.063	2.765	0.779	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7927	0.8272	828	137	209	1.036	1.141	1.003	1.027	1.015	1.027	1.007	0.905	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	1.102	1.048	0.995	1.025	1.010	1.025	1.059	0.913	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	1.085	0.963	0.999	1.024	1.012	1.024	1.029	0.918	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	1.135	1.035	1.012	1.020	1.016	1.020	0.934	0.931	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	1.284	1.156	1.004	1.020	1.012	1.020	0.993	0.931	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.944	1.114	0.995	1.020	1.008	1.020	1.059	0.931	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.272	1.057	1.001	1.017	1.010	1.017	1.007	0.939	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	1.141	1.079	0.994	1.014	1.004	1.014	1.059	0.952	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	1.106	1.125	0.994	1.014	1.004	1.014	1.059	0.952	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	1.098	1.192	0.994	1.014	1.004	1.014	1.059	0.952	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.32	0.8475	0.7878	0.8166	817	147	220	1.014	1.031	0.991	1.014	1.002	1.014	1.081	0.952	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.996	0.910	1.007	1.012	1.010	1.012	0.963	0.957	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	1.090	1.043	1.000	1.012	1.006	1.012	1.015	0.957	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	1.093	1.110	1.013	1.011	1.012	1.011	0.919	0.961	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.947	1.085	1.005	1.011	1.008	1.011	0.978	0.961	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	1.010	1.091	1.001	1.011	1.006	1.011	1.007	0.961	3977		
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.519	1.426	1.004	1.010	1.007	1.010	0.985	0.965	3977		
86-Qnsize-5	QNSize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	1.316	1.109	1.004	1.010	1.007	1.010	0.985	0.965	3977	2.0G	
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	1.025	1.068	1.005	1.009	1.007	1.009	0.971	0.970	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	1.125	1.122	1.004	1.009	1.007	1.009	0.978	0.970	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.920	1.061	1.006	1.007	1.007	1.007	0.963	0.974	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.987	1.058	0.999	1.007	1.003	1.007	1.015	0.974	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.763	0.793	1.003	1.006	1.005	1.006	0.985	0.978	3977		12.6M
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	1.134	1.116	1.007	1.005	1.006	1.005	0.956	0.983	3977		
51-useNextSequences-false	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	1.171	1.107	1.005	1.005	1.005	1.005	0.971	0.983	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.852	1.119	1.002	1.005	1.003	1.005	0.993	0.983	3977		10.6M
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.971	1.075	1.000	1.005	1.002	1.005	1.007	0.983	3977		
85-Qnsize-10	QNSize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	1.131	1.169	1.000	1.005	1.002	1.005	1.007	0.983	3977	2.1G	
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.516	0.849	0.982	1.005	0.994	1.005	1.132	0.983	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.520	1.082	0.982	1.005	0.994	1.005	1.132	0.983	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	1.074	1.088	1.010	1.004	1.007	1.004	0.934	0.987	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.955	1.057	1.002	1.004	1.003	1.004	0.993	0.987	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.965	1.034	1.005	1.003	1.003	1.002	0.971	0.991	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	1.090	1.048	1.001	1.003	1.002	1.002	0.993	0.991	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.900	1.031	1.000	1.003	1.001	1.002	1.000	0.991	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.976	1.107	1.008	1.001	1.004	1.001	0.949	0.996	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.982	1.100	1.003	1.001	1.002	1.001	0.978	0.996	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.942	0.575	1.000	1.001	1.001	1.001	1.000	0.996	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.998	1.132	0.998	1.001	1.000	1.001	1.015	0.996	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.519	1.043	0.973	1.001	0.988	1.001	1.191	0.996	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.959	1.122	1.013	1.000	1.006	1.000	0.912	1.000	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	1.636	1.101	1.001	1.000	1.000	1.000	0.993	1.000	3977		7.6M
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.927	1.107	1.000	1.000	1.000	1.000	1.000	1.000	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.937	1.126	1.000	1.000	1.000	1.000	1.000	1.000	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.943	1.115	1.000	1.000	1.000	1.000	1.000	1.000	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.942	1.144	1.000	1.000	1.000	1.000	1.000	1.000	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.941	1.099	1.000	1.000	1.000	1.000	1.000	1.000	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.931	1.066	1.000	1.000	1.000	1.000	1.000	1.000	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.924	1.183	1.000	1.000	1.000	1.000	1.000	1.000	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.925	1.122	1.000	1.000	1.000	1.000	1.000	1.000	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.927	1.117	1.000	1.000	1.000	1.000	1.000	1.000	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.929	1.077	1.000	1.000	1.000	1.000	1.000	1.000	3977		
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.933	1.059	1.000	1.000	1.000	1.000	1.000	1.000	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.931	1.111	1.000	1.000	1.000	1.000	1.000	1.000	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.927	1.138	1.000	1.000	1.000	1.000	1.000	1.000	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.970	1.106	1.000	1.000	1.000	1.000	1.000	1.000	3977		
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.972	1.045	1.000	1.000	1.000	1.000	1.000	1.000	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.966	1.170	1.000	1.000	1.000	1.000	1.000	1.000	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.927	1.088	1.000	1.000	1.000	1.000	1.000	1.000	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.896	1.139	1.000	1.000	1.000	1.000	1.000	1.000	3977		
84-Qnsize-50	QNSize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.934	1.095	1.000	1.000	1.000	1.000	1.000	1.000	3977	2.8G	
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.942	1.108	1.014	0.999	1.006	0.999	0.904	1.004	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	1.122	1.094	1.007	0.999	1.003	0.999	0.949	1.004	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	9.500	0.192	1.002	0.999	1.000	0.999	0.985	1.004	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.669	1.008	1.001	0.999	1.000	0.999	0.993	1.004	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	1.042	1.095	0.996	0.999	0.997	0.999	1.029	1.004	3977		
87-Qnsize-2	QNSize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.856	1.129	1.008	0.998	1.003	0.998	0.941	1.009	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.916	1.143	1.008	0.998	1.003	0.998	0.941	1.009	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.989	1.119	0.992	0.996	0.994	0.996	1.051	1.013	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	1.099	1.026	1.007	0.995	1.000	0.995	0.949	1.017	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.902	1.094	1.006	0.995	1.000	0.995	0.956	1.017	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	2.022	1.108	0.979	0.994	0.987	0.994	1.140	1.022	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.923	1.110	1.009	0.993	1.000	0.993	0.934	1.026	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.925	1.121	1.009	0.993	1.000	0.993	0.934	1.026	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.946	1.139	0.992	0.993	0.992	0.993	1.051	1.026	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.951	1.136	0.993	0.989	0.991	0.989	1.037	1.039	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.951	1.157	0.993	0.989	0.991	0.989	1.037	1.039	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.944	1.078	0.993	0.989	0.991	0.989	1.037	1.039	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7666	0.8085	796	136	241	0.925	1.184	0.998	0.988	0.993	0.988	1.000	1.043	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	1.261	1.115	0.993	0.986	0.989	0.986	1.037	1.048	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.669	0.988	0.977	0.979	0.978	0.979	1.140	1.074	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	1.139	1.073	0.985	0.973	0.979	0.973	1.074	1.095	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	1.193	1.159	0.997	0.968	0.982	0.968	0.985	1.113	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	1.124	1.036	0.976	0.959	0.967	0.959	1.125	1.143	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	1.027	1.151	0.981	0.957	0.968	0.957	1.088	1.152	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	3.289	1.083	0.973	0.945	0.958	0.945	1.125	1.190	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	1.057	1.106	0.964	0.928	0.945	0.928	1.169	1.251	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	5.025	1.109	0.962	0.923	0.941	0.923	1.176	1.268	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	6.041	0.987	0.952	0.921	0.935	0.921	1.243	1.277	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	1.186	1.008	0.951	0.890	0.918	0.890	1.206	1.385	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	1.100	1.100	0.951	0.890	0.918	0.890	1.206	1.385	3977		

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	0.187	1.464	1.233	0.939	1.079	0.939	0.356	1.289	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	0.119	7.533	1.172	0.866	1.009	0.866	0.449	1.639	3977		
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	0.099	8.467	1.184	0.868	1.015	0.868	0.426	1.628	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	0.065	8.266	1.198	0.889	1.034	0.889	0.407	1.528	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	0.053	7.541	1.202	0.921	1.055	0.921	0.412	1.378	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	0.040	8.458	1.205	0.935	1.064	0.935	0.412	1.311	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	0.037	8.622	1.241	0.938	1.082	0.938	0.340	1.294	3977	1.8G	
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	0.037	8.540	1.233	0.945	1.083	0.945	0.359	1.261	3977		10.6M
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	0.035	6.051	1.235	0.946	1.084	0.946	0.356	1.256	3977		12.6M
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	231	0.033	7.693	1.232	0.939	1.079	0.939	0.359	1.289	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	0.032	8.405	1.232	0.940	1.079	0.940	0.359	1.283	3977		7.6M
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	0.026	8.467	-1.235	0.950	1.086	0.950	0.356	1.239	3977	2.0G	
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	0.025	8.822	1.236	0.959	1.092	0.959	0.359	1.194	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	0.025	8.066	1.233	0.957	1.089	0.957	0.364	1.206	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	0.025	8.512	1.222	0.928	1.067	0.928	0.375	1.344	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	0.024	8.852	1.228	0.910	1.059	0.910	0.356	1.428	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	0.023	7.693	1.171	0.837	0.990	0.837	0.436	1.778	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	0.023	8.449	1.237	0.945	1.084	0.945	0.351	1.261	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7811	0.8178	810	144	220	0.023	8.240	1.223	0.953	1.083	0.953	0.383	1.222	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	0.022	8.190	1.213	0.915	1.056	0.915	0.388	1.406	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	0.022	7.898	1.246	0.959	1.096	0.959	0.338	1.194	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	0.022	8.521	1.240	0.945	1.085	0.945	0.346	1.261	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	0.022	8.921	1.230	0.945	1.081	0.945	0.364	1.261	3977	2.1G	
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	0.022	8.567	1.236	0.949	1.086	0.949	0.354	1.244	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	0.022	7.906	1.201	0.902	1.043	0.902	0.407	1.467	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	0.022	8.352	1.240	0.939	1.082	0.939	0.343	1.289	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7811	0.8178	810	144	220	0.022	8.585	1.223	0.953	1.083	0.953	0.383	1.222	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	0.022	8.001	1.225	0.964	1.090	0.964	0.383	1.172	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	0.022	8.396	1.171	0.837	0.990	0.837	0.436	1.778	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	0.022	7.836	1.239	0.936	1.079	0.936	0.343	1.306	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	0.022	9.104	1.223	0.953	1.083	0.953	0.383	1.222	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	0.022	8.476	1.247	0.951	1.092	0.951	0.332	1.233	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	0.022	7.961	1.230	0.952	1.086	0.952	0.367	1.228	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	0.022	8.001	1.233	0.943	1.081	0.943	0.359	1.272	3977		
5-noMidNGrams-false	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	0.021	7.353	1.230	0.963	1.092	0.963	0.372	1.178	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	0.021	8.309	1.243	0.944	1.086	0.944	0.338	1.267	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	0.021	8.440	1.186	0.873	1.019	0.873	0.423	1.606	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	0.021	8.361	1.226	0.939	1.076	0.939	0.372	1.289	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	0.020	8.707	1.234	0.966	1.095	0.966	0.364	1.161	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	0.020	8.784	1.207	0.900	1.044	0.900	0.394	1.478	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	0.020	8.156	1.238	0.949	1.086	0.949	0.351	1.244	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	0.020	7.867	1.219	0.953	1.081	0.953	0.391	1.222	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	0.020	8.326	1.232	0.951	1.085	0.951	0.364	1.233	3977		
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.020	8.641	1.229	0.942	1.078	0.942	0.367	1.278	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.020	6.944	1.240	0.952	1.089	0.952	0.348	1.228	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.020	8.540	1.221	0.937	1.073	0.937	0.380	1.300	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.019	8.074	1.230	0.947	1.082	0.947	0.367	1.250	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.019	8.396	1.235	0.942	1.081	0.942	0.354	1.278	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.019	8.449	1.240	0.942	1.083	0.942	0.343	1.278	3977		
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.019	7.977	1.231	0.940	1.079	0.940	0.362	1.283	3977		
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.019	8.206	1.230	0.945	1.081	0.945	0.364	1.261	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.019	8.440	1.231	0.940	1.079	0.940	0.362	1.261	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.019	8.931	1.231	0.940	1.079	0.940	0.362	1.283	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.019	7.890	1.237	0.943	1.083	0.943	0.351	1.272	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.019	8.567	1.247	0.940	1.085	0.940	0.330	1.283	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.019	8.066	1.233	0.944	1.082	0.944	0.359	1.267	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.019	8.669	1.222	0.930	1.069	0.930	0.375	1.333	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.019	8.832	1.222	0.930	1.069	0.930	0.375	1.333	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.019	8.283	1.237	0.951	1.088	0.951	0.354	1.233	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.019	8.698	1.221	0.934	1.070	0.933	0.380	1.317	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.019	8.503	1.224	0.959	1.087	0.959	0.383	1.194	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.019	8.232	1.222	0.930	1.069	0.930	0.375	1.333	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.019	8.512	1.231	0.940	1.079	0.940	0.362	1.283	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.019	8.458	1.248	0.939	1.085	0.939	0.327	1.289	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.019	4.392	1.231	0.942	1.080	0.942	0.362	1.278	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.019	8.736	1.231	0.940	1.079	0.940	0.362	1.283	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.019	8.387	1.231	0.940	1.079	0.940	0.362	1.283	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.018	8.595	1.231	0.940	1.079	0.940	0.362	1.283	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.018	8.361	1.231	0.940	1.079	0.940	0.362	1.283	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.018	8.082	1.231	0.940	1.079	0.940	0.362	1.283	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.018	8.140	1.231	0.940	1.079	0.940	0.362	1.283	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.018	8.485	1.231	0.940	1.079	0.940	0.362	1.283	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.018	8.223	1.231	0.940	1.079	0.940	0.362	1.283	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.018	8.449	1.231	0.940	1.079	0.940	0.362	1.283	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.018	8.530	1.231	0.940	1.079	0.940	0.362	1.283	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.018	8.309	1.231	0.940	1.079	0.940	0.362	1.283	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.018	8.688	1.231	0.940	1.079	0.940	0.362	1.283	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.018	8.558	1.242	0.934	1.079	0.933	0.338	1.317	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.018	8.567	1.231	0.940	1.079	0.940	0.362	1.283	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.018	9.042	1.229	0.929	1.071	0.929	0.362	1.339	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.018	9.032	1.231	0.940	1.079	0.940	0.362	1.283	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.018	8.476	1.242	0.934	1.079	0.933	0.338	1.317	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.018	8.098	1.239	0.947	1.086	0.947	0.348	1.250	3977		
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.018	8.726	1.241	0.938	1.082	0.938	0.340	1.294	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.018	8.352	1.238	0.936	1.079	0.936	0.346	1.306	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.018	7.867	1.231	0.943	1.080	0.943	0.362	1.272	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.018	8.698	1.231	0.940	1.079	0.940	0.362	1.283	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.010	8.257	1.209	0.945	1.072	0.945	0.410	1.261	3977		
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.7811	0.8202	814	134	223	0.010	10.890	1.235	0.950	1.086	0.950	0.356	1.239	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.785	0.8046	807	162	230	0.010	7.961	1.198	0.942	1.066	0.942	0.431	1.278	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.010	6.483	1.209	0.945	1.072	0.945	0.410	1.261	3977		

ordered-by-classifier-speed

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	JVM Memory Usage	Model Size
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	2.117	0.836	0.990	1.004	0.997	1.004	1.075	0.987	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	1.783	0.830	0.995	0.978	0.986	0.978	1.015	1.081	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	1.782	0.829	0.997	0.990	0.993	0.990	1.015	1.036	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	1.862	0.820	0.997	0.990	0.993	0.990	1.015	1.036	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	2.181	0.819	0.996	0.995	0.995	0.995	1.022	1.018	3977	2.1G	
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	2.300	0.813	0.994	0.958	0.975	0.958	1.000	1.152	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	1.833	0.811	0.990	0.979	0.984	0.979	1.052	1.076	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	2.475	0.810	1.000	1.010	1.005	1.010	1.007	0.964	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	1.980	0.807	0.977	0.947	0.961	0.947	1.104	1.193	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	1.816	0.802	0.997	0.990	0.993	0.990	1.015	1.036	3977		
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	1.765	0.801	1.005	0.988	0.996	0.988	0.955	1.045	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	1.997	0.800	0.999	1.017	1.009	1.017	1.022	0.937	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	1.823	0.799	0.988	0.983	0.985	0.983	1.067	1.063	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	1.727	0.799	0.997	0.990	0.993	0.990	1.015	1.036	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	1.786	0.798	0.997	0.990	0.993	0.990	1.015	1.036	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	1.834	0.796	0.990	0.979	0.984	0.979	1.052	1.076	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	1.923	0.794	0.995	0.991	0.993	0.991	1.030	1.031	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	3.578	0.792	1.005	0.988	0.996	0.988	0.955	1.045	3977	1.8G	
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	1.806	0.789	0.997	0.990	0.993	0.990	1.015	1.036	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	2.132	0.788	0.990	1.004	0.997	1.004	1.075	0.987	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	2.169	0.787	1.001	0.999	1.000	0.999	0.993	1.004	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7753	0.8195	806	124	231	1.849	0.787	1.009	0.990	0.999	0.990	0.925	1.036	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	1.783	0.787	0.997	0.990	0.993	0.990	1.015	1.036	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	1.783	0.786	1.005	0.983	0.993	0.983	0.948	1.063	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	3.570	0.784	0.998	0.995	0.997	0.995	1.007	1.018	3977		10.6M
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	1.906	0.784	0.989	0.986	0.987	0.986	1.067	1.049	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	1.788	0.783	0.997	0.990	0.993	0.990	1.015	1.036	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	2.186	0.783	1.004	0.995	0.999	0.995	0.970	1.018	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	2.430	0.782	0.989	0.977	0.983	0.977	1.052	1.085	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	1.819	0.782	0.997	0.990	0.993	0.990	1.015	1.036	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	1.820	0.781	0.991	1.010	1.001	1.010	1.075	0.964	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	1.796	0.779	0.997	0.990	0.993	0.990	1.015	1.036	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	2.108	0.778	1.010	1.001	1.005	1.001	0.933	0.996	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	1.779	0.778	1.005	0.983	0.993	0.983	0.948	1.063	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	9.687	0.778	0.959	0.914	0.935	0.914	1.194	1.314	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	2.536	0.778	1.000	1.000	1.000	1.000	1.000	1.000	3977	2.0G	
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	3.899	0.777	0.976	0.984	0.980	0.984	1.157	1.058	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	1.816	0.777	1.010	0.989	0.999	0.989	0.918	1.040	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	2.257	0.776	1.002	0.995	0.998	0.995	0.985	1.018	3977		
46-useEntityTypes-false	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	1.882	0.776	1.004	0.991	0.997	0.991	0.963	1.031	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	1.788	0.776	0.997	0.990	0.993	0.990	1.015	1.036	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	2.037	0.775	0.961	0.919	0.938	0.919	1.187	1.296	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	1.869	0.775	0.997	0.990	0.993	0.990	1.015	1.036	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	3.154	0.772	0.998	0.990	0.994	0.990	1.007	1.036	3977		7.6M
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	2.120	0.771	0.948	0.881	0.912	0.881	1.224	1.435	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	1.894	0.771	1.000	0.991	0.995	0.991	0.993	1.031	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	1.814	0.770	0.997	0.990	0.993	0.990	1.015	1.036	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	2.009	0.768	0.992	0.989	0.990	0.989	1.045	1.040	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	1.800	0.768	0.997	0.990	0.993	0.990	1.015	1.036	3977	2.8G	
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	2.163	0.767	1.004	0.989	0.996	0.989	0.963	1.040	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7763	0.8146	802	130	235	1.739	0.767	1.002	0.985	0.993	0.985	0.970	1.054	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	1.948	0.765	0.997	1.001	0.999	1.001	1.022	0.996	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	2.071	0.763	1.007	0.994	1.000	0.994	0.948	1.022	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	1.788	0.763	0.997	0.990	0.993	0.990	1.015	1.036	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	1.826	0.761	1.001	1.001	1.001	1.001	0.993	0.996	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	6.341	0.759	0.970	0.936	0.952	0.936	1.142	1.233	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	1.002	0.758	0.979	0.995	0.987	0.995	1.149	1.018	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	2.200	0.757	0.990	1.004	0.997	1.004	1.075	0.987	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	1.820	0.756	0.990	0.979	0.984	0.979	1.052	1.076	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	1.791	0.755	0.997	0.990	0.993	0.990	1.015	1.036	3977		
47-useEntityRule-false	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	1.873	0.754	0.996	0.995	0.995	0.995	1.022	1.018	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	2.197	0.752	0.982	0.963	0.972	0.963	1.090	1.135	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	1.975	0.749	1.002	0.999	1.000	0.999	0.985	1.004	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	1.796	0.747	0.997	0.990	0.993	0.990	1.015	1.036	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	1.774	0.744	1.003	0.997	1.000	0.998	0.978	1.009	3977		
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	1.799	0.742	0.997	0.990	0.993	0.990	1.015	1.036	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	1.903	0.741	0.995	0.997	0.996	0.998	1.030	1.009	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	2.452	0.741	0.998	1.007	1.003	1.007	1.022	0.973	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.783	0.8168	809	135	228	1.840	0.741	0.998	0.994	0.996	0.994	1.007	1.022	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	2.124	0.735	0.992	1.015	1.004	1.015	1.075	0.946	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	2.101	0.735	0.998	0.993	0.995	0.993	1.007	1.027	3977		
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	1.874	0.733	0.997	0.990	0.993	0.990	1.015	1.036	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	2.101	0.731	0.996	1.002	0.999	1.002	1.030	0.991	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	1.000	0.731	0.970	0.991	0.981	0.991	1.209	1.031	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.3	0.8348	0.7454	0.7876	773	153	264	2.166	0.726	0.972	0.950	0.960	0.950	1.142	1.184	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	2.189	0.725	1.009	1.010	1.009	1.010	0.948	0.964	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	1.860	0.725	1.001	0.993	0.997	0.993	0.985	1.027	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	1.955	0.722	0.987	1.004	0.996	1.004	1.097	0.987	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	1.736	0.722	0.997	0.993	0.995	0.993	1.015	1.027	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	2.118	0.720	1.003	0.985	0.994	0.985	0.963	1.054	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	3.217	0.706	0.997	0.989	0.993	0.989	1.007	1.040	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	2.287	0.706	0.948	0.881	0.912	0.881	1.224	1.435	3977		
0-recommended-properties	-		-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	5.144	0.692	0.973	0.969	0.971	0.969	1.157	1.112	3977		
77-sigma-30	sigma	1	30	758.13	3748.36	0.8145	0.7155	0.7618	742	169	295	11.646	0.692	0.949	0.911	0.929	0.911	1.261	1.323	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	2.092	0.675	0.996	1.014	1.005	1.014	1.045	0.951	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	1.920	0.638	1.004	1.002	1.003	1.002	0.978	0.991	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.995	0.595	0.979	0.995	0.987	0.995	1.149	1.018	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	3.398	0.556	1.000	0.996	0.998	0.996	1.000	1.013	3977		12.6M
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	1.816	0.403	0.997	0.991	0.994	0.991	1.015	1.031	3977		
93-optimal-configuration	-		-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	18.313	0.134	0.998	0.989	0.993	0.989	1.000	1.040	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	97.736	0.092	0.810	1.053	0.921	1.053	2.806	0.807	3977		

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	0.808	0.858	1.008	0.949	0.977	0.949	0.894	1.257	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	0.737	0.946	0.999	0.956	0.977	0.956	0.965	1.222	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	0.913	0.958	1.000	0.949	0.974	0.949	0.951	1.257	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	0.778	0.920	1.009	0.941	0.974	0.941	0.880	1.298	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	0.772	0.799	0.995	0.953	0.973	0.953	0.986	1.240	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	0.784	0.869	0.991	0.954	0.972	0.954	1.014	1.234	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.709	0.754	1.003	0.942	0.971	0.942	0.923	1.292	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	0.905	0.876	0.997	0.947	0.971	0.947	0.965	1.269	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.674	0.899	1.001	0.941	0.970	0.941	0.937	1.298	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.672	0.923	0.990	0.949	0.969	0.949	1.014	1.257	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	0.729	0.886	1.001	0.939	0.969	0.939	0.930	1.310	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	0.936	0.919	0.999	0.940	0.968	0.940	0.944	1.304	3977	2.0G	
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.655	0.879	1.002	0.938	0.968	0.938	0.923	1.316	3977		
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.369	1.183	0.999	0.940	0.968	0.940	0.944	1.304	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	0.764	0.902	1.006	0.934	0.968	0.934	0.894	1.333	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	0.800	0.930	1.000	0.939	0.968	0.939	0.937	1.310	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	0.776	0.865	0.996	0.942	0.968	0.942	0.972	1.292	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	0.719	0.904	0.997	0.941	0.968	0.941	0.965	1.298	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7811	0.8195	806	124	231	0.683	0.930	1.009	0.931	0.968	0.931	0.873	1.351	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	0.807	0.925	1.003	0.935	0.968	0.935	0.915	1.327	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.670	0.919	1.010	0.930	0.967	0.930	0.866	1.357	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	0.833	0.918	1.001	0.935	0.967	0.935	0.930	1.327	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7811	0.8184	811	134	226	1.254	0.657	0.999	0.937	0.966	0.936	0.944	1.322	3977		12.6M
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.694	0.918	1.004	0.932	0.966	0.932	0.908	1.345	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	0.812	0.895	0.990	0.943	0.966	0.943	1.014	1.287	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	0.787	0.932	0.990	0.943	0.966	0.943	1.014	1.287	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	0.781	0.989	0.990	0.943	0.966	0.943	1.014	1.287	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.317	0.927	0.998	0.935	0.965	0.935	0.951	1.327	3977		10.6M
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.687	0.857	1.001	0.933	0.965	0.933	0.930	1.339	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.702	0.877	0.995	0.938	0.965	0.938	0.972	1.316	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	0.798	0.907	1.003	0.930	0.964	0.930	0.908	1.357	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.679	0.876	0.998	0.934	0.964	0.934	0.951	1.333	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.320	0.936	1.004	0.928	0.964	0.928	0.901	1.363	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.651	0.948	1.004	0.928	0.964	0.928	0.901	1.363	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	0.722	0.854	0.986	0.943	0.964	0.943	1.035	1.287	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	0.805	0.969	0.996	0.935	0.964	0.935	0.965	1.327	3977	2.1G	
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.691	0.891	0.996	0.935	0.964	0.935	0.965	1.327	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.699	0.912	0.999	0.932	0.964	0.932	0.937	1.345	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	0.776	0.869	0.997	0.933	0.963	0.933	0.951	1.339	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.641	0.854	0.996	0.933	0.963	0.933	0.958	1.339	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.670	0.477	0.996	0.932	0.963	0.932	0.958	1.345	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7763	0.815	806	135	231	1.164	0.913	0.997	0.931	0.962	0.931	0.951	1.351	3977		7.6M
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	0.782	0.851	1.003	0.926	0.962	0.926	0.908	1.374	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	6.759	0.159	0.998	0.930	0.962	0.930	0.944	1.357	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.658	0.929	1.005	0.924	0.962	0.924	0.894	1.386	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.656	0.920	1.005	0.924	0.962	0.924	0.894	1.386	3977		
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.692	0.866	0.996	0.931	0.962	0.931	0.958	1.351	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.690	0.917	0.996	0.931	0.962	0.931	0.958	1.351	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.1	4443.58	0.8556	0.7772	0.8146	806	136	231	0.687	0.970	0.996	0.931	0.962	0.931	0.958	1.351	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.671	0.924	0.996	0.931	0.962	0.931	0.958	1.351	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.670	0.949	0.996	0.931	0.962	0.931	0.958	1.351	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.670	0.911	0.996	0.931	0.962	0.931	0.958	1.351	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.667	0.933	0.996	0.931	0.962	0.931	0.958	1.351	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.664	0.908	0.996	0.931	0.962	0.931	0.958	1.351	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.664	0.878	0.996	0.931	0.962	0.931	0.958	1.351	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.663	0.884	0.996	0.931	0.962	0.931	0.958	1.351	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.663	0.921	0.996	0.931	0.962	0.931	0.958	1.351	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.661	0.893	0.996	0.931	0.962	0.931	0.958	1.351	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.660	0.918	0.996	0.931	0.962	0.931	0.958	1.351	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.660	0.926	0.996	0.931	0.962	0.931	0.958	1.351	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.660	0.902	0.996	0.931	0.962	0.931	0.958	1.351	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.659	0.943	0.996	0.931	0.962	0.931	0.958	1.351	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.658	0.930	0.996	0.931	0.962	0.931	0.958	1.351	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.658	0.981	0.996	0.931	0.962	0.931	0.958	1.351	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.642	0.907	1.002	0.926	0.962	0.926	0.915	1.374	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.637	0.945	0.996	0.931	0.962	0.931	0.958	1.351	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.187	0.835	0.997	0.930	0.962	0.930	0.951	1.357	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.710	0.938	0.994	0.932	0.962	0.932	0.972	1.345	3977		
68-use2W-false	use2W	TRUE	FALSE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	0.741	0.908	0.992	0.930	0.959	0.930	0.986	1.357	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.704	0.927	0.988	0.927	0.956	0.927	1.007	1.368	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.370	0.897	0.978	0.935	0.956	0.935	1.085	1.327	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.367	0.704	0.978	0.935	0.956	0.935	1.085	1.327	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.658	0.982	0.994	0.919	0.955	0.919	0.958	1.409	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.673	0.945	0.988	0.924	0.954	0.924	1.007	1.386	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.677	0.941	0.989	0.920	0.953	0.920	0.993	1.404	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.676	0.959	0.989	0.920	0.953	0.920	0.993	1.404	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.672	0.894	0.989	0.920	0.953	0.920	0.993	1.404	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7686	0.8059	795	141	242	0.897	0.924	0.989	0.918	0.952	0.918	0.993	1.415	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.369	0.865	0.969	0.932	0.950	0.932	1.141	1.345	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	1.439	0.919	0.975	0.925	0.949	0.925	1.092	1.380	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	0.849	0.961	0.993	0.901	0.944	0.901	0.944	1.503	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	0.811	0.889	0.981	0.905	0.941	0.905	1.028	1.480	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	1.899	0.819	0.973	0.911	0.941	0.911	1.092	1.450	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	0.731	0.954	0.977	0.890	0.931	0.890	1.042	1.556	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	0.799	0.859	0.972	0.893	0.930	0.893	1.077	1.544	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	2.340	0.898	0.969	0.880	0.922	0.880	1.077	1.608	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	0.752	0.917	0.960	0.864	0.909	0.864	1.120	1.690	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	3.575	0.919	0.958	0.859	0.905	0.859	1.127	1.713	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	4.298	0.818	0.948	0.857	0.900	0.857	1.190	1.725	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	36.069	0.109	0.809	0.990	0.892	0.990	2.648	1.053	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	0.844	0.835	0.947	0.828	0.883	0.828	1.155	1.871	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	0.782	0.912	0.947	0.828	0.883	0.828	1.155	1.871	3977		

ordered-by-precision

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	1.161	1.002	0.999	1.012	1.006	1.012	1.016	0.957	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	1.019	1.013	0.999	1.001	1.000	1.001	1.008	0.996	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	1.206	0.934	0.999	1.021	1.010	1.021	1.033	0.927	3977		
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	1.140	0.982	0.996	1.005	1.001	1.005	1.033	0.983	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.982	1.012	0.995	0.994	0.994	0.994	1.033	1.022	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.980	1.002	0.995	0.994	0.994	0.994	1.033	1.022	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.970	1.019	0.994	0.999	0.997	0.999	1.041	1.004	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.972	1.032	0.994	0.999	0.997	0.999	1.041	1.004	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	1.036	0.999	0.994	1.002	0.998	1.002	1.049	0.991	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8617	0.7763	0.8168	805	129	232	1.191	0.987	0.994	1.000	1.000	1.000	1.049	1.000	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	1.204	1.007	0.993	1.006	1.000	1.006	1.057	0.978	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	1.058	0.821	0.993	1.014	1.004	1.014	1.065	0.953	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	1.167	0.926	0.993	0.996	0.995	0.996	1.049	1.013	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.977	0.957	0.993	1.009	1.001	1.009	1.065	0.970	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.958	0.987	0.992	0.996	0.994	0.996	1.057	1.013	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	1.088	0.964	0.992	1.010	1.001	1.010	1.073	0.966	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	1.243	0.999	0.991	1.006	0.999	1.006	1.073	0.978	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	1.006	0.979	0.991	1.012	1.002	1.012	1.081	0.957	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	1.025	0.933	0.991	1.004	0.998	1.004	1.073	0.987	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	1.195	1.013	0.991	1.010	1.001	1.010	1.081	0.966	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	1.363	1.043	0.990	1.021	1.006	1.021	1.098	0.927	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	1.397	1.001	0.990	1.011	1.001	1.011	1.089	0.961	3977	2.0G	
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.551	1.287	0.990	1.011	1.001	1.011	1.089	0.961	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	1.043	0.993	0.990	1.002	0.996	1.002	1.081	0.991	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.871	0.715	0.989	1.007	0.999	1.007	1.089	0.974	3977		12.6M
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	1.100	1.029	0.989	1.029	1.010	1.029	1.114	0.901	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	10.086	0.173	0.988	1.000	0.995	1.000	1.089	1.000	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.966	1.010	0.988	1.006	0.998	1.006	1.098	0.978	3977		10.6M
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	1.014	0.954	0.988	1.005	0.997	1.005	1.098	0.983	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.350	0.954	0.988	1.019	1.004	1.019	1.114	0.935	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	1.157	0.946	0.988	1.004	0.996	1.004	1.098	0.987	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	1.737	0.994	0.987	1.001	0.995	1.001	1.098	0.996	3977		7.6M
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.772	0.910	0.987	1.000	0.994	1.000	1.098	1.000	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	1.073	0.984	0.987	1.012	1.000	1.012	1.114	0.957	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.956	0.930	0.987	1.004	0.996	1.004	1.106	0.987	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	1.000	0.519	0.987	1.002	0.995	1.002	1.106	0.991	3977		
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	1.032	0.943	0.986	1.001	0.994	1.001	1.106	0.996	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	1.030	0.998	0.986	1.001	0.994	1.001	1.106	0.996	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	1.025	1.056	0.986	1.001	0.994	1.001	1.106	0.996	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	1.002	1.006	0.986	1.001	0.994	1.001	1.106	0.996	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	1.000	1.033	0.986	1.001	0.994	1.001	1.106	0.996	3977		
45-useTitle-false	useTitle	TRUE	FALSE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.999	0.992	0.986	1.001	0.994	1.001	1.106	0.996	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.995	1.016	0.986	1.001	0.994	1.001	1.106	0.996	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.992	0.988	0.986	1.001	0.994	1.001	1.106	0.996	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.991	0.956	0.986	1.001	0.994	1.001	1.106	0.996	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.989	0.962	0.986	1.001	0.994	1.001	1.106	0.996	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.989	1.003	0.986	1.001	0.994	1.001	1.106	0.996	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.986	0.972	0.986	1.001	0.994	1.001	1.106	0.996	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.985	0.999	0.986	1.001	0.994	1.001	1.106	0.996	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.985	1.009	0.986	1.001	0.994	1.001	1.106	0.996	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.985	0.982	0.986	1.001	0.994	1.001	1.106	0.996	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.984	1.027	0.986	1.001	0.994	1.001	1.106	0.996	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.982	1.013	0.986	1.001	0.994	1.001	1.106	0.996	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.981	1.068	0.986	1.001	0.994	1.001	1.106	0.996	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.951	1.028	0.986	1.001	0.994	1.001	1.106	0.996	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	1.201	1.055	0.986	1.006	0.997	1.006	1.114	0.978	3977	2.1G	
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	1.157	0.941	0.986	1.014	1.000	1.014	1.122	0.953	3977		
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	1.031	0.970	0.986	1.006	0.997	1.006	1.114	0.978	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	1.152	0.869	0.985	1.025	1.006	1.025	1.138	0.914	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	1.048	0.955	0.985	1.009	0.998	1.009	1.122	0.970	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.982	1.069	0.985	0.989	0.987	0.989	1.106	1.039	3977		
20-useTypeSequences-false	useTypeSequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	1.059	1.022	0.984	1.002	0.994	1.002	1.122	0.991	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	1.266	1.047	0.984	0.969	0.976	0.969	1.089	1.108	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	1.107	0.988	0.982	1.000	0.991	1.000	1.138	1.000	3977		
34-wordFunction-Lowercase AndAmericanizeFunction	wordFunction	null	LowercaseAnd AmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	1.170	0.946	0.982	1.026	1.005	1.026	1.171	0.909	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	1.003	1.005	0.981	1.021	1.002	1.021	1.171	0.927	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	1.212	0.974	0.980	1.015	0.998	1.015	1.171	0.948	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	1.174	1.016	0.980	1.015	0.998	1.015	1.171	0.948	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	1.166	1.076	0.980	1.015	0.998	1.015	1.171	0.948	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	1.010	1.025	0.979	0.990	0.985	0.990	1.146	1.034	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	1.009	1.044	0.979	0.990	0.985	0.990	1.146	1.034	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	1.003	0.973	0.979	0.990	0.985	0.990	1.146	1.034	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	1.338	1.006	0.979	0.988	0.984	0.988	1.146	1.043	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	1.050	1.010	0.978	0.997	0.989	0.998	1.163	1.009	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7743	0.8081	800	143	237	1.004	1.028	0.978	0.994	0.986	0.994	1.163	1.022	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	1.077	0.930	0.977	1.015	0.997	1.015	1.195	0.948	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.759	0.7972	784	146	253	1.210	0.968	0.972	0.974	0.973	0.974	1.187	1.091	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.552	0.976	0.969	1.006	0.988	1.006	1.252	0.978	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.548	0.766	0.969	1.006	0.988	1.006	1.252	0.978	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	1.091	1.038	0.967	0.958	0.962	0.958	1.203	1.147	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	2.147	1.000	0.966	0.995	0.981	0.995	1.260	1.017	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.833	0.892	0.963	0.980	0.972	0.980	1.260	1.069	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	1.193	0.935	0.962	0.960	0.961	0.960	1.244	1.138	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	3.492	0.977	0.960	0.947	0.953	0.947	1.244	1.185	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.551	0.941	0.960	1.002	0.982	1.002	1.317	0.991	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	1.122	0.998	0.951	0.929	0.939	0.929	1.293	1.246	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	5.335	1.001	0.949	0.924	0.936	0.924	1.301	1.263	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	6.414	0.891	0.939	0.922	0.930	0.922	1.374	1.272	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	1.260	0.910	0.938	0.891	0.913	0.891	1.333	1.379	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	1.168	0.993	0.938	0.891	0.913	0.891	1.333	1.379	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	53.829	0.118	0.801	1.065	0.922	1.065	3.057	0.776	3977		

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	JVM Memory Usage	Model Size
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	36.069	0.109	0.809	0.990	0.892	0.990	2.648	1.053	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	0.737	0.946	0.999	0.956	0.977	0.956	0.965	1.222	3977		
34-wordFunction-Lowercase AndAmericanizeFunction	wordFunction	null	LowercaseAnd AmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	0.784	0.869	0.991	0.954	0.972	0.954	1.014	1.234	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	0.772	0.799	0.995	0.953	0.973	0.953	0.986	1.240	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	0.913	0.958	1.000	0.949	0.974	0.949	0.951	1.257	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	0.808	0.858	1.008	0.949	0.977	0.949	0.894	1.257	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.672	0.923	0.990	0.949	0.969	0.949	1.014	1.257	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	0.905	0.876	0.997	0.947	0.971	0.947	0.965	1.269	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	0.812	0.895	0.990	0.943	0.966	0.943	1.014	1.287	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	0.787	0.932	0.990	0.943	0.966	0.943	1.014	1.287	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	0.781	0.989	0.990	0.943	0.966	0.943	1.014	1.287	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	0.722	0.854	0.986	0.943	0.964	0.943	1.035	1.287	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	0.776	0.865	0.996	0.942	0.968	0.942	0.972	1.292	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.709	0.754	1.003	0.942	0.971	0.942	0.923	1.292	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	0.778	0.920	1.009	0.941	0.974	0.941	0.880	1.298	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	0.719	0.904	0.997	0.941	0.968	0.941	0.965	1.298	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.674	0.899	1.001	0.941	0.970	0.941	0.937	1.298	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	0.936	0.919	0.999	0.940	0.968	0.940	0.944	1.304	3977	2.0G	
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.369	1.183	0.999	0.940	0.968	0.940	0.944	1.304	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	0.800	0.930	1.000	0.939	0.968	0.939	0.937	1.310	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	0.729	0.886	1.001	0.939	0.969	0.939	0.930	1.310	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.702	0.877	0.995	0.938	0.965	0.938	0.972	1.316	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.655	0.879	1.002	0.938	0.968	0.938	0.923	1.316	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.254	0.657	0.999	0.937	0.966	0.936	0.944	1.322	3977		12.6M
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.317	0.927	0.998	0.935	0.965	0.935	0.951	1.327	3977		10.6M
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	0.833	0.918	1.001	0.935	0.967	0.935	0.930	1.327	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	0.807	0.925	1.003	0.935	0.968	0.935	0.915	1.327	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	0.805	0.969	0.996	0.935	0.964	0.935	0.965	1.327	3977	2.1G	
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.691	0.891	0.996	0.935	0.964	0.935	0.965	1.327	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.370	0.897	0.978	0.935	0.956	0.935	1.085	1.327	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.367	0.704	0.978	0.935	0.956	0.935	1.085	1.327	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	0.764	0.902	1.006	0.934	0.968	0.934	0.894	1.333	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.679	0.876	0.998	0.934	0.964	0.934	0.951	1.333	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	0.776	0.869	0.997	0.933	0.964	0.933	0.951	1.339	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.687	0.857	1.001	0.933	0.965	0.933	0.930	1.339	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.641	0.854	0.996	0.933	0.963	0.933	0.958	1.339	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.710	0.938	0.994	0.932	0.962	0.932	0.972	1.345	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.699	0.912	0.999	0.932	0.964	0.932	0.937	1.345	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.694	0.918	1.004	0.932	0.966	0.932	0.908	1.345	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.670	0.477	0.996	0.932	0.963	0.932	0.958	1.345	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.369	0.865	0.969	0.932	0.950	0.932	1.141	1.345	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.8146	806	135	231	1.164	0.913	0.997	0.931	0.962	0.931	0.951	1.351	3977		7.6M
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.692	0.866	0.996	0.931	0.962	0.931	0.958	1.351	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.690	0.917	0.996	0.931	0.962	0.931	0.958	1.351	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.687	0.970	0.996	0.931	0.962	0.931	0.958	1.351	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.683	0.930	1.009	0.931	0.968	0.931	0.873	1.351	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.671	0.924	0.996	0.931	0.962	0.931	0.958	1.351	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.670	0.949	0.996	0.931	0.962	0.931	0.958	1.351	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.670	0.911	0.996	0.931	0.962	0.931	0.958	1.351	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.667	0.933	0.996	0.931	0.962	0.931	0.958	1.351	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.664	0.908	0.996	0.931	0.962	0.931	0.958	1.351	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.664	0.878	0.996	0.931	0.962	0.931	0.958	1.351	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.663	0.884	0.996	0.931	0.962	0.931	0.958	1.351	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.663	0.921	0.996	0.931	0.962	0.931	0.958	1.351	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.661	0.893	0.996	0.931	0.962	0.931	0.958	1.351	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.660	0.918	0.996	0.931	0.962	0.931	0.958	1.351	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.660	0.926	0.996	0.931	0.962	0.931	0.958	1.351	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.660	0.902	0.996	0.931	0.962	0.931	0.958	1.351	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.659	0.943	0.996	0.931	0.962	0.931	0.958	1.351	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.658	0.930	0.996	0.931	0.962	0.931	0.958	1.351	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.658	0.981	0.996	0.931	0.962	0.931	0.958	1.351	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.637	0.945	0.996	0.931	0.962	0.931	0.958	1.351	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	6.759	0.159	0.998	0.930	0.962	0.930	0.944	1.357	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.187	0.835	0.997	0.930	0.962	0.930	0.951	1.357	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	0.798	0.907	1.003	0.930	0.964	0.930	0.908	1.357	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	0.741	0.908	0.992	0.930	0.959	0.930	0.986	1.357	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.670	0.919	1.010	0.930	0.967	0.930	0.866	1.357	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.320	0.936	1.004	0.928	0.964	0.928	0.901	1.363	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.651	0.948	1.004	0.928	0.964	0.928	0.901	1.363	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.704	0.927	0.988	0.927	0.956	0.927	1.007	1.368	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	0.782	0.851	1.003	0.926	0.962	0.926	0.908	1.374	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.642	0.907	1.002	0.926	0.962	0.926	0.915	1.374	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	1.439	0.919	0.975	0.925	0.949	0.925	1.092	1.380	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.673	0.945	0.988	0.924	0.954	0.924	1.007	1.386	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.658	0.929	1.005	0.924	0.962	0.924	0.894	1.386	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.656	0.920	1.005	0.924	0.962	0.924	0.894	1.386	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.677	0.941	0.989	0.920	0.953	0.920	0.993	1.404	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.676	0.959	0.989	0.920	0.953	0.920	0.993	1.404	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.672	0.894	0.989	0.920	0.953	0.920	0.993	1.404	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7686	0.8085	796	136	241	0.658	0.982	0.994	0.919	0.955	0.919	0.958	1.409	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	0.897	0.924	0.989	0.918	0.952	0.918	0.993	1.415	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	1.899	0.819	0.973	0.911	0.941	0.911	1.092	1.450	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	0.811	0.889	0.981	0.905	0.941	0.905	1.028	1.480	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	0.849	0.961	0.993	0.901	0.944	0.901	0.944	1.503	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	0.799	0.859	0.972	0.893	0.930	0.893	1.077	1.544	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	0.731	0.954	0.977	0.890	0.931	0.890	1.042	1.556	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	2.340	0.898	0.969	0.880	0.922	0.880	1.077	1.608	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	0.752	0.917	0.960	0.864	0.909	0.864	1.120	1.690	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	3.575	0.919	0.958	0.859	0.905	0.859	1.127	1.713	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	4.298	0.818	0.948	0.857	0.900	0.857	1.190	1.725	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	0.844	0.835	0.947	0.828	0.883	0.828	1.155	1.871	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	0.782	0.912	0.947	0.828	0.883	0.828	1.155	1.871	3977		

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	36.069	0.109	0.809	0.990	0.892	0.990	2.648	1.053	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	0.737	0.946	0.999	0.956	0.977	0.956	0.965	1.222	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	0.784	0.869	0.991	0.954	0.972	0.954	1.014	1.234	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	0.772	0.799	0.995	0.953	0.973	0.953	0.986	1.240	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	0.913	0.958	1.000	0.949	0.974	0.949	0.951	1.257	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	0.808	0.858	1.008	0.949	0.977	0.949	0.894	1.257	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.672	0.923	0.990	0.949	0.969	0.949	1.014	1.257	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	0.905	0.876	0.997	0.947	0.971	0.947	0.965	1.269	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	0.812	0.895	0.990	0.943	0.966	0.943	1.014	1.287	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	0.787	0.932	0.990	0.943	0.966	0.943	1.014	1.287	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	0.781	0.989	0.990	0.943	0.966	0.943	1.014	1.287	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	0.722	0.854	0.986	0.943	0.964	0.943	1.035	1.287	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	0.776	0.865	0.996	0.942	0.968	0.942	0.972	1.292	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.709	0.754	1.003	0.942	0.971	0.942	0.923	1.292	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	0.778	0.920	1.009	0.941	0.974	0.941	0.880	1.298	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	0.719	0.904	0.997	0.941	0.968	0.941	0.965	1.298	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.674	0.899	1.001	0.941	0.970	0.941	0.937	1.298	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	0.936	0.919	0.999	0.940	0.968	0.940	0.944	1.304	3977	2.0G	
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.369	1.183	0.999	0.940	0.968	0.940	0.944	1.304	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	0.800	0.930	1.000	0.939	0.968	0.939	0.937	1.310	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	0.729	0.886	1.001	0.939	0.969	0.939	0.930	1.310	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.702	0.877	0.995	0.938	0.965	0.938	0.972	1.316	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.655	0.879	1.002	0.938	0.968	0.938	0.923	1.316	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	1.254	0.657	0.999	0.937	0.966	0.936	0.944	1.322	3977		12.6M
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.317	0.927	0.998	0.935	0.965	0.935	0.951	1.327	3977		10.6M
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	0.833	0.918	1.001	0.935	0.967	0.935	0.930	1.327	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	0.807	0.925	1.003	0.935	0.968	0.935	0.915	1.327	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	0.805	0.969	0.996	0.935	0.964	0.935	0.965	1.327	3977	2.1G	
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.691	0.891	0.996	0.935	0.964	0.935	0.965	1.327	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.370	0.897	0.978	0.935	0.956	0.935	1.085	1.327	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.367	0.704	0.978	0.935	0.956	0.935	1.085	1.327	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	0.764	0.902	1.006	0.934	0.968	0.934	0.894	1.333	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.679	0.876	0.998	0.934	0.964	0.934	0.951	1.333	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	0.776	0.869	0.997	0.933	0.964	0.933	0.951	1.339	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.687	0.857	1.001	0.933	0.965	0.933	0.930	1.339	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.641	0.854	0.996	0.933	0.963	0.933	0.958	1.339	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.710	0.938	0.994	0.932	0.962	0.932	0.972	1.345	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.699	0.912	0.999	0.932	0.964	0.932	0.937	1.345	3977		
46-useEntityTypes-false	useEntityTypes	TRUE	FALSE	122.5	4204.02	0.8558	0.7782	0.818	807	129	230	0.694	0.918	1.004	0.932	0.966	0.932	0.908	1.345	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.670	0.477	0.996	0.932	0.963	0.932	0.958	1.345	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.369	0.865	0.969	0.932	0.950	0.932	1.141	1.345	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	1.164	0.913	0.997	0.931	0.962	0.931	0.951	1.351	3977		7.6M
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.692	0.866	0.996	0.931	0.962	0.931	0.958	1.351	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.690	0.917	0.996	0.931	0.962	0.931	0.958	1.351	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.687	0.970	0.996	0.931	0.962	0.931	0.958	1.351	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.683	0.930	1.009	0.931	0.968	0.931	0.873	1.351	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.671	0.924	0.996	0.931	0.962	0.931	0.958	1.351	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.670	0.949	0.996	0.931	0.962	0.931	0.958	1.351	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.670	0.911	0.996	0.931	0.962	0.931	0.958	1.351	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.667	0.933	0.996	0.931	0.962	0.931	0.958	1.351	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.664	0.908	0.996	0.931	0.962	0.931	0.958	1.351	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.664	0.878	0.996	0.931	0.962	0.931	0.958	1.351	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.663	0.884	0.996	0.931	0.962	0.931	0.958	1.351	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.663	0.921	0.996	0.931	0.962	0.931	0.958	1.351	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.661	0.893	0.996	0.931	0.962	0.931	0.958	1.351	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.660	0.918	0.996	0.931	0.962	0.931	0.958	1.351	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.660	0.926	0.996	0.931	0.962	0.931	0.958	1.351	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.660	0.902	0.996	0.931	0.962	0.931	0.958	1.351	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.659	0.943	0.996	0.931	0.962	0.931	0.958	1.351	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.658	0.930	0.996	0.931	0.962	0.931	0.958	1.351	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.658	0.981	0.996	0.931	0.962	0.931	0.958	1.351	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.637	0.945	0.996	0.931	0.962	0.931	0.958	1.351	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	6.759	0.159	0.998	0.930	0.962	0.930	0.944	1.357	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.187	0.835	0.997	0.930	0.962	0.930	0.951	1.357	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	0.798	0.907	1.003	0.930	0.964	0.930	0.908	1.357	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	0.741	0.908	0.992	0.930	0.959	0.930	0.986	1.357	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.670	0.919	1.010	0.930	0.967	0.930	0.866	1.357	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.320	0.936	1.004	0.928	0.964	0.928	0.901	1.363	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.651	0.948	1.004	0.928	0.964	0.928	0.901	1.363	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.704	0.927	0.988	0.927	0.961	0.927	1.007	1.368	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	0.782	0.851	1.003	0.926	0.962	0.926	0.908	1.374	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.642	0.907	1.002	0.926	0.962	0.926	0.915	1.374	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	1.439	0.919	0.975	0.925	0.949	0.925	1.092	1.380	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.673	0.945	0.988	0.924	0.954	0.924	1.007	1.386	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.658	0.929	1.005	0.924	0.962	0.924	0.894	1.386	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.656	0.920	1.005	0.924	0.962	0.924	0.894	1.386	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.677	0.941	0.989	0.920	0.953	0.920	0.993	1.404	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.676	0.959	0.989	0.920	0.953	0.920	0.993	1.404	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.672	0.894	0.989	0.920	0.953	0.920	0.993	1.404	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7666	0.8085	796	136	241	0.658	0.982	0.994	0.919	0.955	0.919	0.958	1.409	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	0.897	0.924	0.989	0.918	0.952	0.918	0.993	1.415	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	1.899	0.819	0.973	0.911	0.941	0.911	1.092	1.450	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	0.811	0.889	0.981	0.905	0.941	0.905	1.028	1.480	3977		
62-useDisjunctiveShapeInteraction-false	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	0.849	0.961	0.993	0.901	0.944	0.901	0.944	1.503	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	0.799	0.859	0.972	0.893	0.930	0.893	1.077	1.544	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	0.731	0.954	0.977	0.890	0.931	0.890	1.042	1.556	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	2.340	0.898	0.969	0.880	0.922	0.880	1.077	1.608	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	0.752	0.917	0.960	0.864	0.909	0.864	1.120	1.690	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	3.575	0.919	0.958	0.859	0.905	0.859	1.127	1.713	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	4.298	0.818	0.948	0.857	0.900	0.857	1.190	1.725	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	0.844	0.835	0.947	0.828	0.883	0.828	1.155	1.871	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	0.782	0.912	0.947	0.828	0.883	0.828	1.155	1.871	3977		

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test Nº of tagged Words	JVM Memory Usage	Model Size
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	0.119	7.533	1.172	0.866	1.009	0.866	0.449	1.639	3977		
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	0.023	7.693	1.171	0.837	0.990	0.837	0.436	1.778	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	0.022	8.396	1.171	0.837	0.990	0.837	0.436	1.778	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.010	7.961	1.198	0.942	1.066	0.942	0.431	1.278	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	0.099	8.467	1.184	0.868	1.015	0.868	0.426	1.628	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	0.021	8.440	1.186	0.873	1.019	0.873	0.423	1.606	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	0.053	7.541	1.202	0.921	1.055	0.921	0.412	1.378	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	0.040	8.458	1.205	0.935	1.064	0.935	0.412	1.311	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.010	8.257	1.209	0.945	1.072	0.945	0.410	1.261	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.010	6.483	1.209	0.945	1.072	0.945	0.410	1.261	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	0.065	8.266	1.198	0.889	1.034	0.889	0.407	1.528	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	771	153	264	0.022	7.906	1.201	0.902	1.043	0.902	0.407	1.467	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	0.020	8.784	1.207	0.900	1.044	0.900	0.394	1.478	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	0.020	7.867	1.219	0.953	1.081	0.953	0.391	1.222	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	0.022	8.190	1.213	0.915	1.056	0.915	0.388	1.406	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	0.023	8.240	1.223	0.953	1.083	0.953	0.383	1.222	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	0.022	8.585	1.223	0.953	1.083	0.953	0.383	1.222	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	0.022	8.001	1.225	0.964	1.090	0.964	0.383	1.172	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	0.022	9.104	1.223	0.953	1.083	0.953	0.383	1.222	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.019	8.503	1.224	0.959	1.087	0.959	0.383	1.194	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.020	8.540	1.221	0.937	1.073	0.937	0.380	1.300	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.019	8.698	1.221	0.934	1.070	0.933	0.380	1.317	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	0.025	8.512	1.222	0.928	1.067	0.928	0.375	1.344	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.019	8.669	1.222	0.930	1.069	0.930	0.375	1.333	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.019	8.832	1.222	0.930	1.069	0.930	0.375	1.333	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.019	8.232	1.222	0.930	1.069	0.930	0.375	1.333	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	0.021	7.353	1.230	0.963	1.092	0.963	0.372	1.178	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	0.021	8.361	1.226	0.939	1.076	0.939	0.372	1.289	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	0.022	7.961	1.230	0.952	1.086	0.952	0.367	1.228	3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.020	8.641	1.229	0.942	1.078	0.942	0.367	1.278	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.019	8.074	1.230	0.947	1.082	0.947	0.367	1.250	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	0.025	8.066	1.233	0.957	1.089	0.957	0.364	1.206	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	0.022	8.921	1.230	0.945	1.081	0.945	0.364	1.261	3977	2.1G	
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	0.020	8.707	1.234	0.966	1.095	0.966	0.364	1.161	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	0.020	8.326	1.232	0.951	1.085	0.951	0.364	1.233	3977		
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.019	8.206	1.230	0.945	1.081	0.945	0.364	1.261	3977		
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.019	7.977	1.231	0.940	1.079	0.940	0.362	1.283	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.019	8.440	1.231	0.940	1.079	0.940	0.362	1.283	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.7	4443.58	0.8556	0.7772	0.8146	806	136	231	0.019	8.931	1.231	0.940	1.079	0.940	0.362	1.283	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.2	4235.36	0.8556	0.7772	0.8146	806	136	231	0.019	8.512	1.231	0.940	1.079	0.940	0.362	1.283	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.019	4.392	1.231	0.942	1.080	0.942	0.362	1.278	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.019	8.736	1.231	0.940	1.079	0.940	0.362	1.283	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.019	8.387	1.231	0.940	1.079	0.940	0.362	1.283	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.018	8.595	1.231	0.940	1.079	0.940	0.362	1.283	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.018	8.361	1.231	0.940	1.079	0.940	0.362	1.283	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.018	8.082	1.231	0.940	1.079	0.940	0.362	1.283	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.018	8.140	1.231	0.940	1.079	0.940	0.362	1.283	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.018	8.485	1.231	0.940	1.079	0.940	0.362	1.283	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.018	8.223	1.231	0.940	1.079	0.940	0.362	1.283	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.018	8.449	1.231	0.940	1.079	0.940	0.362	1.283	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.018	8.530	1.231	0.940	1.079	0.940	0.362	1.283	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.018	8.309	1.231	0.940	1.079	0.940	0.362	1.283	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.018	8.688	1.231	0.940	1.079	0.940	0.362	1.283	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.018	8.567	1.231	0.940	1.079	0.940	0.362	1.283	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.018	9.042	1.229	0.929	1.071	0.929	0.362	1.339	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.018	9.032	1.231	0.940	1.079	0.940	0.362	1.283	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.018	7.867	1.231	0.943	1.080	0.943	0.362	1.272	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.018	8.698	1.231	0.940	1.079	0.940	0.362	1.283	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	0.037	8.540	1.233	0.945	1.083	0.945	0.359	1.261	3977		10.6M
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	0.033	7.693	1.232	0.939	1.079	0.939	0.359	1.289	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	0.032	8.405	1.232	0.940	1.079	0.940	0.359	1.283	3977		7.6M
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	0.025	8.822	1.236	0.959	1.092	0.959	0.359	1.194	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	0.022	8.001	1.233	0.943	1.081	0.943	0.359	1.272	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.019	8.066	1.233	0.944	1.082	0.944	0.359	1.267	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	0.187	1.464	1.233	0.939	1.079	0.939	0.356	1.289	3977		
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7821	0.8184	811	134	226	0.035	6.051	1.235	0.946	1.084	0.946	0.356	1.256	3977		12.6M
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	0.026	8.467	1.235	0.950	1.086	0.950	0.356	1.239	3977	2.0G	
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	0.024	8.852	1.228	0.910	1.059	0.910	0.356	1.428	3977		
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.010	10.890	1.235	0.950	1.086	0.950	0.356	1.239	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	0.022	8.567	1.236	0.949	1.086	0.949	0.354	1.244	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.019	8.396	1.235	0.942	1.081	0.942	0.354	1.278	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.019	8.283	1.237	0.951	1.088	0.951	0.354	1.233	3977		
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	0.023	8.449	1.237	0.945	1.084	0.945	0.351	1.261	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	0.020	8.156	1.238	0.949	1.086	0.949	0.351	1.244	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.019	7.890	1.237	0.943	1.083	0.943	0.351	1.272	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.020	6.944	1.240	0.952	1.089	0.952	0.348	1.228	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.018	8.098	1.239	0.947	1.086	0.947	0.348	1.250	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	0.022	8.521	1.240	0.945	1.085	0.945	0.346	1.261	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.018	8.352	1.238	0.936	1.079	0.936	0.346	1.306	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	0.022	8.352	1.240	0.939	1.082	0.939	0.343	1.289	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	0.022	7.836	1.239	0.936	1.079	0.936	0.343	1.306	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.019	8.449	1.240	0.942	1.083	0.942	0.343	1.278	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	0.037	8.622	1.241	0.938	1.082	0.938	0.340	1.294	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.018	8.726	1.241	0.938	1.082	0.938	0.340	1.294	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	0.022	7.898	1.246	0.959	1.096	0.959	0.338	1.194	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	0.021	8.309	1.243	0.944	1.086	0.944	0.338	1.267	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.018	8.558	1.242	0.934	1.079	0.933	0.338	1.317	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.018	8.476	1.242	0.934	1.079	0.933	0.338	1.317	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	0.022	8.476	1.247	0.951	1.092	0.951	0.332	1.233	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.019	8.567	1.247	0.940	1.085	0.940	0.330	1.283	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.019	8.458	1.248	0.939	1.085	0.939	0.327	1.289	3977		

Test folder	Changed Parameter	Recommended Value	Test Value	Train time (sec)	Classifier test Speed (words/sec)	Precision	Recall	F1	True Positives	False Positives	False Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	JVM Memory Usage	Model Size
4-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914	0.7477	717	164	320	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138	0.6914	0.7477	717	164	320	0.927	1.091	1.000	1.000	1.000	1.000	1.000	1.000	3977		
77-sigma-30	sigma	1	30	758.13	3748.35	0.8145	0.7155	0.7618	742	169	295	5.092	0.979	1.001	1.035	1.019	1.035	1.030	0.922	3977		
78-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175	0.7666	744	160	293	4.235	1.101	1.011	1.038	1.025	1.038	0.976	0.916	3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213	0.7695	748	159	289	0.891	1.097	1.013	1.043	1.029	1.043	0.970	0.903	3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348	0.7807	762	153	275	2.772	1.074	1.023	1.063	1.044	1.063	0.933	0.859	3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.839	0.7435	0.7883	771	148	266	0.866	1.142	1.031	1.075	1.054	1.075	0.902	0.831	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348	0.7454	0.7876	773	153	264	0.947	1.028	1.026	1.078	1.053	1.078	0.933	0.825	3977		
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21	0.8534	0.7522	0.7996	780	134	257	1.005	1.151	1.049	1.088	1.069	1.088	0.817	0.803	3977		
9-maxNGramLeng-4	maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	146	253	0.960	1.065	1.036	1.093	1.066	1.093	0.890	0.791	3977		
80-sigma-5	sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.249	0.980	1.027	1.100	1.065	1.100	0.945	0.775	3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666	0.8059	795	141	242	1.062	1.106	1.044	1.109	1.078	1.109	0.860	0.756	3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676	0.8085	796	136	241	0.780	1.175	1.050	1.110	1.081	1.110	0.829	0.753	3977		
24-wordShape-dan2useLC	wordShape	chris2useLC	dan2useLC	119.4	4313.45	0.8497	0.7686	0.8071	797	141	240	0.802	1.127	1.044	1.112	1.079	1.112	0.860	0.750	3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686	0.8071	797	141	240	0.801	1.148	1.044	1.112	1.079	1.112	0.860	0.750	3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497	0.7686	0.8071	797	141	240	0.796	1.070	1.044	1.112	1.079	1.112	0.860	0.750	3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715	0.8081	800	143	237	0.797	1.131	1.043	1.116	1.081	1.116	0.872	0.741	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715	0.8147	800	127	237	0.780	1.112	1.060	1.116	1.090	1.116	0.774	0.741	3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715	0.8147	800	127	237	0.778	1.102	1.060	1.116	1.090	1.116	0.774	0.741	3977		
81-sigma-3	sigma	1	3	253.8	4208.47	0.8379	0.7724	0.8038	801	155	236	1.704	1.099	1.030	1.117	1.075	1.117	0.945	0.738	3977		
3-useWord-false	useWord	TRUE	FALSE	137.9	3899.02	0.8614	0.7734	0.815	802	129	235	0.926	1.019	1.058	1.119	1.090	1.119	0.787	0.734	3977		
53-useNextRealWord-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802	130	235	0.760	1.086	1.057	1.119	1.089	1.119	0.793	0.734	3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743	0.8099	803	143	234	0.833	1.110	1.043	1.120	1.083	1.120	0.872	0.731	3977		
87-Qnsize-2	QNsize	25	2	232.9	4290.18	0.8627	0.7753	0.8167	804	128	233	1.564	1.121	1.060	1.121	1.092	1.121	0.780	0.728	3977	1.8G	
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7	0.8627	0.7753	0.8167	804	128	233	0.772	1.134	1.060	1.121	1.092	1.121	0.780	0.728	3977		
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7763	0.8148	805	134	232	8.007	0.190	1.053	1.123	1.090	1.123	0.817	0.725	3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8144	805	135	232	1.406	1.000	1.052	1.123	1.089	1.123	0.823	0.725	3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763	0.8168	805	129	232	0.946	1.086	1.059	1.123	1.092	1.123	0.787	0.725	3977		
68-use2W-true	use2W	FALSE	TRUE	130.8	4160.04	0.8519	0.7763	0.8123	805	140	232	0.878	1.087	1.047	1.123	1.086	1.123	0.854	0.725	3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763	0.8193	805	123	232	0.794	1.099	1.066	1.123	1.096	1.123	0.750	0.725	3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	231	1.379	1.093	1.052	1.124	1.090	1.124	0.823	0.722	3977		7.6M
0-recommended-properties	-	-	-	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772	0.8146	806	136	231	0.819	1.037	1.051	1.124	1.089	1.124	0.829	0.722	3977		
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556	0.7772	0.8146	806	136	231	0.817	1.097	1.051	1.124	1.089	1.124	0.829	0.722	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772	0.8146	806	136	231	0.814	1.161	1.051	1.124	1.089	1.124	0.829	0.722	3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.809	1.114	1.065	1.124	1.096	1.124	0.756	0.722	3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772	0.8146	806	136	231	0.795	1.106	1.051	1.124	1.089	1.124	0.829	0.722	3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772	0.8146	806	136	231	0.794	1.136	1.051	1.124	1.089	1.124	0.829	0.722	3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772	0.8146	806	136	231	0.793	1.090	1.051	1.124	1.089	1.124	0.829	0.722	3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772	0.8146	806	136	231	0.790	1.117	1.051	1.124	1.089	1.124	0.829	0.722	3977		
84-Qnsize-50	QNsize	25	50	117.2	4160.04	0.8556	0.7772	0.8146	806	136	231	0.787	1.087	1.051	1.124	1.089	1.124	0.829	0.722	3977	2.8G	
66-useTaggySequences-true	useTaggySequences	FALSE	TRUE	117.1	4021.23	0.8556	0.7772	0.8146	806	136	231	0.786	1.051	1.051	1.124	1.089	1.124	0.829	0.722	3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556	0.7772	0.8146	806	136	231	0.785	1.058	1.051	1.124	1.089	1.124	0.829	0.722	3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772	0.8146	806	136	231	0.785	1.103	1.051	1.124	1.089	1.124	0.829	0.722	3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772	0.8146	806	136	231	0.783	1.069	1.051	1.124	1.089	1.124	0.829	0.722	3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556	0.7772	0.8146	806	136	231	0.782	1.098	1.051	1.124	1.089	1.124	0.829	0.722	3977		
63-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772	0.8146	806	136	231	0.782	1.109	1.051	1.124	1.089	1.124	0.829	0.722	3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772	0.8146	806	136	231	0.782	1.080	1.051	1.124	1.089	1.124	0.829	0.722	3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772	0.8146	806	136	231	0.781	1.129	1.051	1.124	1.089	1.124	0.829	0.722	3977		
56-normalizeTimex-true	normalizeTimex	FALSE	TRUE	116.1	4262.59	0.8556	0.7772	0.8146	806	136	231	0.780	1.114	1.051	1.124	1.089	1.124	0.829	0.722	3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772	0.8146	806	136	231	0.779	1.174	1.051	1.124	1.089	1.124	0.829	0.722	3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772	0.8146	806	136	231	0.755	1.131	1.051	1.124	1.089	1.124	0.829	0.722	3977		
20-useTypeSequences-false	useTypeSequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.841	1.123	1.049	1.126	1.089	1.126	0.841	0.719	3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782	0.8164	807	133	230	0.828	1.091	1.055	1.126	1.092	1.126	0.811	0.719	3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782	0.818	807	129	230	0.823	1.098	1.059	1.126	1.094	1.126	0.787	0.719	3977		
83-inferenceType-Beam	inferenceType	Viterbi	Beam	118.2	2185.16	0.8558	0.7782	0.8152	807	136	230	0.794	0.571	1.052	1.126	1.090	1.126	0.829	0.719	3977		
13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328	0.7782	0.8046	807	162	230	0.437	1.035	1.023	1.126	1.076	1.126	0.988	0.719	3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8162	808	135	229	0.919	1.040	1.053	1.127	1.092	1.127	0.823	0.716	3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792	0.8174	808	132	229	0.813	1.026	1.056	1.127	1.093	1.127	0.805	0.716	3977		
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37	0.8559	0.7792	0.8157	808	136	229	0.759	1.023	1.052	1.127	1.091	1.127	0.829	0.716	3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801	0.8201	809	127	228	0.905	1.080	1.062	1.128	1.097	1.128	0.774	0.713	3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228	0.805	1.048	1.053	1.128	1.092	1.128	0.823	0.713	3977		
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.4	4248.93	0.8571	0.7811	0.8174	810	135	227	1.561	1.110	1.053	1.130	1.093	1.130	0.823	0.709	3977		10.6M
51-useNextSequences-true	useNextSequences	FALSE	TRUE	146.9	4204.02	0.8599	0.7811	0.8186	810	132	227	0.987	1.098	1.057	1.130	1.095	1.130	0.805	0.709	3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811	0.8194	810	130	227	0.956	1.108	1.059	1.130	1.096	1.130	0.793	0.709	3977		
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811	0.8165	810	137	227	0.954	1.160	1.051	1.130	1.092	1.130	0.835	0.709	3977	2.1G	
47-useEntityRule-true	useEntityRule	FALSE	TRUE	121.9	4083.16	0.8553	0.7811	0.8165	810	137	227	0.819	1.067	1.051	1.130	1.092	1.130	0.835	0.709	3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811	0.8096	810	154	227	0.438	1.073	1.032	1.130	1.083	1.130	0.939	0.709	3977		
16-useSequences-false	useSequences	TRUE	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154	227	0.435	0.843	1.032	1.130	1.083	1.130	0.939	0.709	3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.7792	0.8184	811	134	226	1.486	0.787	1.055	1.131	1.095	1.131	0.817	0.706	3977		12.6M
54-useReverse-true	useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8173	812	138	225	0.832	1.049	1.050	1.132	1.093	1.132	0.841	0.703	3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	812	131	225	0.776	1.053	1.058	1.132	1.097	1.132	0.799	0.703	3977		
6-maxNGramLeng-8	maxNGramLeng	6	8	141.2	4262.59	0.8594	0.784	0.82	813	133	224	0.948	1.114	1.056	1.134	1.097	1.134	0.811	0.700	3977		
7-maxNGramLeng-7	maxNGramLeng	6	7	128.6	4058.16	0.8603	0.784	0.8204	813	132	224	0.864	1.060	1.057	1.134	1.097	1.134	0.805	0.700	3977		
86-Qnsize-5	QNsize	25	5	165.1	4212.92	0.8586	0.785	0.8202	814	134	223	1.109	1.101	1.055	1.135	1.097	1.135	0.817	0.697	3977	2.0G	
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785	0.8202	814	134	223	0.437	1.416	1.055	1.135	1.097	1.135	0.817	0.697	3977		
15-useDisjunctive-false	useDisjunctive	TRUE	FALSE	137.23	4217.39	0.867	0.7859	0.8245	815	125	222	0.922	1.102	1.065	1.137	1.103	1.137	0.762	0.694	3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8195	815	137	222	0.852	1.082	1.052	1.137	1.096	1.137	0.835	0.694	3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7859	0.8212	815	133	222	0.799	1.077	1.056	1.137	1.098	1.137	0.811	0.694	3977		
69-useLC-true	useLC	FALSE	TRUE	136.8	3961.16	0.8553	0.7869	0.8197	816	138	221	0.919	1.035	1.051	1.138	1.096	1.138	0.841	0.691	3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	221	0.839	0.903	1.059	1.138	1.100	1.138	0.799	0.691	3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878	0.8178	817	144	220	0.962	1.071	1.045	1.139	1.094	1.139	0.878	0.688	3977		
25-wordShape-dan2bio	wordShape	chris2useLC	dan2bio	138.8	4271.75	0.8502	0.7878	0.8178	817	144	220	0.932	1.116	1.045	1.139	1.094	1.139	0.878	0.688	3977		
27-wordShape-jenny1	wordShape	chris2useLC	jenny1	137.8	4529.61	0.8502	0.7878	0.8178	817	144	220	0.925	1.183	1.045	1.139	1.094	1.139	0.878	0.688	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878	0.8166	817	147	220	0.855	1.023	1.041	1.139	1.092	1.139	0.896	0.688	3977		
22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.072	1.048	1.053	1.144	1.100	1.144	0.835	0.678	3977		
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7927	0.8245	822	135	215	1.082	1.147	1.055	1.147	1.103	1.146	0.823	0.672	3977		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5	3929.84	0.8662	0.7927	0.8278	822	127	215	0.957	1.027	1.064	1.147	1.107	1.146	0.774	0.672	3977		
31-wordShape-chris3	wordShape	chris2useLC	chris3	118.5	4230.85	0.8509	0.7927	0.8208	822	144	215	0.796	1.105	1.046	1.147	1.098	1.146	0.878	0.672	3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8242	825	140	212	0.915	0.956	1.051	1.151	1.102	1.151	0.854	0.663	3977		
34-wordFunction-LowercaseAndAmericanizeFunction	wordFunction	null	LowercaseAndAmericanizeFunction	138.3	3980.98	0.8515	0.7965	0.8231	826	144	211	0.929	1.040	1.046	1.152	1.101	1.152	0.878	0.659	3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985	0.8272	828	137	209	0.873	1.132	1.054	1.155	1.106	1.155	0.835	0.653	3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	42.731	0.130	0.854	1.195	1.010	1.195	2.293	0.563	3977		
93-optimal-configuration	-	-	-	176.4	4581.8	0.8591	0.8351	0.8469	866	142	171	1.406	1.206	1.004	1.074	1.040	1.074	1.044	0.740	3977		