ordered-by-test-number

Test folder	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	(sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u> <u>F1</u>	<u>True</u> Positive		_	<u>Relative</u> <u>Train time</u> ( <u>sec)</u>	Relative Classifier test Speed (words/sec)	<u>Relative</u> <u>Precision</u>	<u>Relative</u> <u>Recall</u>	<u>Relative</u> <u>F1</u>	<u>Relative</u> <u>True</u> Positives	<u>Relative</u> <u>False</u> Positives	<u>Relative</u> <u>False</u> Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	<u>Model</u> <u>Size</u>
0-recommended-properties 1-maxLeft-2	- maxLeft	- 1	- 2	125.5 1192.2	3798.47 728.39	0.8556 0.8573	0.7772 0.814 0.7763 0.814		136 134	231 232	- 9.4996015936255	- 0.191758787090592	1.00198690977092	- 0.998841996911992	- 1.00024551927326	0.998759305210918	- 0.985294117647059	1.004329004329	3977 3977	2.7G	16.5M
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869 0.822	6 816	131	221	0.99601593625498	0.909645199251278	1.00712949976625	1.01248069994853	1.00982077093052	1.01240694789082	0.963235294117647	0.956709956709957	3977		
3-useWord-false 4-useNGrams-false	useWord useNGrams	TRUE TRUE	FALSE FALSE	137.9 148.9	3899.02 3827.72	0.8614 0.8138	0.7734 0.819 0.6914 0.747		129 164	235 320	1.09880478087649 1.18645418326693	1.02647118445058 1.00770046887299	1.0067788686302 0.951145395044413	0.99511065362841 0.889603705609882	1.00049103854653 0.917873803093543	0.995037220843672 0.889578163771712	0.948529411764706 1.20588235294118	1.01731601731602 1.38528138528139	3977 3977		
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956 0.824	2 825	140	212	1.08525896414343	0.963200973023349	0.999181860682562	1.02367472979928	1.01178492511662	1.02357320099256	1.02941176470588	0.917748917748918	3977		
6-maxNGramLeng-8 7-maxNGramLeng-7	maxNGramLeng maxNGramLeng	6 6	8 7	141.2 128.6	4262.59 4058.16	0.8594 0.8603	0.784 0.82 0.784 0.820		133 132	224 224	1.12509960159363 1.02470119521912	1.12218603806269 1.06836700039753	1.00444132772324 1.00549322113137	1.00874935666495 1.00874935666495	1.0066290203781 1.00712005892463	1.00868486352357 1.00868486352357	0.977941176470588 0.970588235294118	0.96969696969697 0.96969696969697	3977 3977		
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541	0.7676 0.808	5 796	136	241	0.925099601593625	1.1843900307229	0.998246844319776	0.987647967061246	0.99251166216548	0.987593052109181	1	1.04329004329004	3977		
9-maxNGramLeng-4 10-maxNGramLeng-3	maxNGramLeng maxNGramLeng	6 6	4 3	143 128.9	4074.8 4370.33	0.843 0.839	0.756 0.797 0.7435 0.788		146 148	253 266	1.1394422310757 1.02709163346614	1.07274771157861 1.15055008990462	0.985273492286115 0.980598410472183	0.972722593926917 0.956639217704581	0.978639823226123 0.967714215565922	0.972704714640198 0.956575682382134	1.07352941176471 1.08823529411765	1.0952380952381 1.15151515151515	3977 3977		
11-maxNGramLeng-2	maxNGramLeng	6	2	132.6	4199.58	0.8247	0.7213 0.769	5 748	159	289	1.05657370517928	1.10559778015885	0.963884992987377	0.928075141533711	0.944635403879205	0.928039702233251	1.16911764705882	1.25108225108225	3977		
12-maxNGramLeng-1 13-usePrev-false	maxNGramLeng usePrev	6 TRUE	1 FALSE	138 65.1	4177.52 3961.16	0.8138 0.8328	0.6914 0.747 0.7782 0.804		164 162	320 230	1.0996015936255 0.518725099601594	1.0997901786772 1.04283040276743	0.951145395044413 0.973352033660589	0.889603705609882 1.00128667009779	0.917873803093543 0.987724036336853	0.889578163771712 1.00124069478908	1.20588235294118 1.19117647058824	1.38528138528139 0.995670995670996	3977 3977		
14-useNext-false	useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783 0.820	2 812	131	225	0.920318725099602	1.06079026555429	1.00642823749416	1.00746268656716	1.00687453965136	1.00744416873449	0.963235294117647	0.974025974025974	3977		
15-useDisjunctive-false 16-useSequences-false	useDisjunctive useSequences	TRUE TRUE	FALSE FALSE	137.23 64.8	4217.39 3225.47	0.867 0.8402	0.7859 0.824 0.7811 0.809		125 154	222 227	1.09346613545817 0.516334661354582	1.11028651009485 0.849149789257254	1.01332398316971 0.982000935016363	1.01119402985075 1.00501801338137	1.01215320402652 0.993862018168426	1.01116625310174 1.00496277915633	0.919117647058823 1.13235294117647	0.961038961038961 0.982683982683983	3977 3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7811 0.809	6 810	154	227	0.519521912350598	1.08161180685908	0.982000935016363	1.00501801338137	0.993862018168426	1.00496277915633	1.13235294117647	0.982683982683983	3977		
18-useTypeSeqs-false 19-useTypeSeqs2-false	useTypeSeqs useTypeSeqs2	TRUE TRUE	FALSE FALSE	118.9 126.8	4121.24 4142.71	0.8597 0.8561	0.7859 0.821 0.7859 0.819		133 137	222 222	0.947410358565737 1.01035856573705	1.08497368677389 1.09062596255861	1.00479195885928 1.00058438522674	1.01119402985075 1.01119402985075	1.00810213601768 1.00601522219494	1.01116625310174 1.01116625310174	0.977941176470588 1.00735294117647	0.961038961038961 0.961038961038961	3977 3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782 0.814	3 807	138	230	0.997609561752988	1.13189257780106	0.998129967274427	1.00128667009779	0.999631721090105	1.00124069478908	1.01470588235294	0.995670995670996	3977		
21-wordShape-dan1 22-wordShape-chris1	wordShape wordShape	chris2useLC chris2useLC	dan1 chris1	161.1 159.6	4389.62 4013.12	0.8589 0.8568	0.7927 0.824 0.7907 0.822		135 137	215 217	1.28366533864542 1.27171314741036	1.1556284504024 1.05650959465258	1.00385694249649 1.00140252454418	1.0199433865157 1.01737004632012	1.01215320402652 1.00969801129389	1.01985111662531 1.01736972704715	0.992647058823529 1.00735294117647	0.930735930735931 0.9393939393939393	3977 3977		
23-wordShape-dan2	wordShape	chris2useLC	dan2	143.2	4100	0.8502	0.7878 0.817	8 817	144	220	1.14103585657371	1.07938196168457	0.993688639551192	1.01363870303654	1.00392830837221	1.0136476426799	1.05882352941176	0.952380952380952	3977		
24-wordShape-dan2useLC 25-wordShape-dan2bio	wordShape wordShape	chris2useLC chris2useLC	dan2useLC dan2bio	119.4 138.8	4313.45 4271.75	0.8497 0.8502	0.7686 0.807 0.7878 0.817		141 144	240 220	0.951394422310757 1.10597609561753	1.13557563966544 1.12459753532343	0.993104254324451 0.993688639551192	0.988934637159032 1.01363870303654	0.990793027252639 1.00392830837221	0.988833746898263 1.0136476426799	1.03676470588235 1.05882352941176	1.03896103896104 0.952380952380952	3977 3977		
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497	0.7686 0.807	1 797	141	240	0.950597609561753	1.15690791292283	0.993104254324451	0.988934637159032	0.990793027252639	0.988833746898263	1.03676470588235	1.03896103896104	3977		
27-wordShape-jenny1 28-wordShape-jenny1useLC	wordShape wordShape	chris2useLC chris2useLC	jenny1 jenny1useLC	137.8 118.5	4529.61 4095.78	0.8502 0.8497	0.7878 0.817 0.7686 0.807		144 141	220 240	1.09800796812749 0.944223107569721	1.1924827627966 1.07827098805572	0.993688639551192 0.993104254324451	1.01363870303654 0.988934637159032	1.00392830837221 0.990793027252639	1.0136476426799 0.988833746898263	1.05882352941176 1.03676470588235	0.952380952380952 1.03896103896104	3977 3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.7985 0.827	2 828	137	209	1.03585657370518	1.14052236821668	1.00280504908836	1.02740607308286	1.01546771421557	1.0272952853598	1.00735294117647	0.904761904761905	3977		
30-wordShape-chris2useLC 31-wordShape-chris3	wordShape wordShape	chris2useLC chris2useLC	chris2useLC chris3	116.4 118.5	4204.02 4230.85	0.8556 0.8509	0.7772 0.814 0.7927 0.820		136 144	231 215	0.927490039840638 0.944223107569721	1.10676667184419 1.1138300420959	1 0.99450677886863	1 1.0199433865157	1 1.00761109747115	1 1.01985111662531	1 1.05882352941176	1 0.930735930735931	3977 3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488	0.7743 0.809	9 803	143	234	0.988844621513944	1.11858985328303	0.992052360916316	0.996268656716418	0.994230297078321	0.996277915632754	1.05147058823529	1.01298701298701	3977		
33-wordShape-chris4 34-wordFunction-Lowercase	wordShape	chris2useLC	chris4 LowercaseAnd	113	3914.37	0.8559	0.7792 0.815		136	229	0.900398406374502	1.03051228520957	1.00035063113604	1.00257334019557	1.00135035600295	1.00248138957816	1	0.991341991341991	3977		
AndAmericanizeFunction	wordFunction	null	AmericanizeFunction	138.3	3980.98	0.8515	0.7965 0.823		144	211	1.10199203187251	1.04804829312855	0.99520804114072	1.02483273288729	1.01043456911368	1.02481389578164	1.05882352941176	0.913419913419913	3977		
35-initWithNERPosterior-true 36-applyNERPenalty-false	initWithNERPosterior applyNERPenalty	FALSE TRUE	TRUE FALSE	117.6 118.4	4276.34 4235.36	0.8556 0.8556	0.7772 0.814 0.7772 0.814		136 136	231 231	0.937051792828685 0.943426294820717	1.12580591659273 1.11501736225375	1	1 1	1 1	1 1	1 1	1	3977 3977		
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763 0.816	8 805	129	232	1.12191235059761	1.09404312789097	1.00736325385694	0.998841996911992	1.00270071200589	0.998759305210918	0.948529411764706	1.004329004329	3977		
38-useNeighborNGrams-true 39-useMoreNeighborNGrams-true	useNeighborNGrams useMoreNeighborNGrams	FALSE FALSE	TRUE TRUE	209.4 141	3827.72 3933.73	0.8564 0.8348	0.7763 0.814 0.7454 0.787		135 153	232 264	1.66852589641434 1.12350597609562	1.00770046887299 1.03560907417987	1.00093501636279 0.975689574567555	0.998841996911992 0.959083890890376	0.999754480726737 0.966854898109502	0.998759305210918 0.959057071960298	0.992647058823529 1.125	1.004329004329 1.14285714285714	3977 3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878 0.816	6 817	147	220	1.01434262948207	1.03051228520957	0.990532959326788	1.01363870303654	1.00245519273263	1.0136476426799	1.08088235294118	0.952380952380952	3977		
41-lowercaseNGrams-true 42-dehyphenateNGrams-true	lowercaseNGrams dehyphenateNGrams	FALSE FALSE	TRUE TRUE	142.5 121.1	3929.84 3925.96	0.8662 0.8596	0.7927 0.827 0.7792 0.817		127 132	215 229	1.13545816733068 0.964940239043825	1.03458497763573 1.03356351373053	1.01238896680692 1.00467508181393	1.0199433865157 1.00257334019557	1.01620427203535 1.00343726982568	1.01985111662531 1.00248138957816	0.933823529411765 0.970588235294118	0.930735930735931 0.991341991341991	3977 3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556	0.7772 0.814	6 806	136	231	0.941832669322709	1.14426334813754	1	1	1	1	1	1	3977		
44-useObservedSequencesOnly-true 45-useTitle-true	useObservedSequencesOnly useTitle	FALSE FALSE	TRUE TRUE	65.1 118.1	5418.26 4173.14	0.8586 0.8556	0.785 0.820 0.7772 0.814		134 136	223 231	0.518725099601594 0.941035856573705	1.4264322213944 1.09863708282545	1.00350631136045 1	1.01003602676274 1	1.00687453965136 1	1.00992555831266 1	0.985294117647059 1	0.965367965367965 1	3977 3977		
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02	0.8622	0.7782 0.818	807	129	230	0.976095617529881	1.10676667184419	1.00771388499299	1.00128667009779	1.00417382764547	1.00124069478908	0.948529411764706	0.995670995670996	3977		
47-useEntityRule-true 48-useOrdinal-true	useEntityRule useOrdinal	FALSE FALSE	TRUE TRUE	121.9 119.8	4083.16 4013.12	0.8553 0.857	0.7811 0.816 0.7801 0.816		137 135	227 228	0.971314741035857 0.954581673306773	1.07494859772487 1.05650959465258	0.999649368863955 1.00163627863488	1.00501801338137 1.00373134328358	1.002332433096 1.00270071200589	1.00496277915633 1.00372208436725	1.00735294117647 0.992647058823529	0.982683982683983 0.987012987012987	3977 3977		
49-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811 0.819		130	227	1.13386454183267	1.1162046824116	1.00712949976625	1.00501801338137	1.00589246255831	1.00496277915633	0.955882352941176	0.982683982683983	3977		
50-useLongSequences-true 51-useNextSequences-true	useLongSequences useNextSequences	FALSE FALSE	TRUE TRUE	116.9 146.9	4049.9 4204.02	0.8556 0.8599	0.7772 0.814 0.7811 0.818		136 132	231 227	0.931474103585657 1.17051792828685	1.06619244064057 1.10676667184419	1 1.00502571294998	1 1.00501801338137	1 1.00491038546526	1 1.00496277915633	1 0.970588235294118	1 0.982683982683983	3977 3977		
52-useLastRealWord-true	useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782 0.816	4 807	133	230	0.982470119521912	1.0997901786772	1.0033894343151	1.00128667009779	1.00220967345937	1.00124069478908	0.977941176470588	0.995670995670996	3977		
53-useNextRealWord-true 54-useReverse-true	useNextRealWord useReverse	FALSE FALSE	TRUE TRUE	113.2 123.9	4155.69 4017.17	0.8605 0.8547	0.7734 0.814 0.783 0.817		130 138	235 225	0.90199203187251 0.987250996015936	1.09404312789097 1.05757581341961	1.00572697522207 0.998948106591865	0.99511065362841 1.00746268656716	1 1.00331451018905	0.995037220843672 1.00744416873449	0.955882352941176 1.01470588235294	1.01731601731602 0.974025974025974	3977 3977		
55-normalize-true	normalize	FALSE	TRUE	116	4493.79	0.8556	0.7772 0.814	6 806	136	231	0.924302788844621	1.18305265014598	1	1	1	1	1	1	3977		
56-normalizeTimex-true 57-disjunctionWidth-6	normalizeTimex disjunctionWidth	FALSE 4	TRUE 6	116.1 118.7	4262.59 4327.53	0.8556 0.8484	0.7772 0.814 0.7715 0.808		136 143	231 237	0.925099601593625 0.945816733067729	1.12218603806269 1.13928239528021	0.991584852734923	1 0.992665980442614	1 0.992020623618954	1 0.992555831265509	1 1.05147058823529	1.02597402597403	3977 3977		
58-disjunctionWidth-5	disjunctionWidth	4	5	134.8	4134.1	0.8643	0.7801 0.820		127	228	1.07410358565737	1.08835926043907	1.0101683029453	1.00373134328358	1.00675178001473	1.00372208436725	0.933823529411765	0.987012987012987	3977		
59-disjunctionWidth-3 60-disjunctionWidth-2	disjunctionWidth disjunctionWidth	4 4	3 2	115.8 116.1	4217.39 4258.03	0.863 0.863	0.7715 0.814 0.7715 0.814		127 127	237 237	0.922709163346613 0.925099601593625	1.11028651009485 1.12098555471019	1.00864890135577 1.00864890135577	0.992665980442614 0.992665980442614	1.00012275963663 1.00012275963663	0.992555831265509 0.992555831265509	0.933823529411765 0.933823529411765	1.02597402597403 1.02597402597403	3977 3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675	0.7763 0.819		123	232	0.941832669322709	1.10793819616846	1.01390836839645	0.998841996911992	1.00576970292168	0.998759305210918	0.904411764705882	1.004329004329	3977		
62-useDisjunctiveSnapeInteraction-true 63-useBoundarySequences-true	useDisjunctiveSnapeInteraction useBoundarySequences	FALSE FALSE	TRUE TRUE	149.7 116.4	4404.21 4244.4	0.8534 0.8556	0.7522 0.799 0.7772 0.814		134 136	257 231	0.927490039840638	1.15946947060264 1.11739726784732	0.997428705002338 1	0.967833247555327 1	0.981586054505279 1	0.967741935483871 1	0.985294117647059 1	1.11255411255411 1	3977 3977		
64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772 0.819	5 806	124	231	0.959362549800797 0.929083665338645	1.12218603806269	1.01297335203366	1	1.00601522219494	1	0.911764705882353	1	3977		
65-useSymTags-true 66-useTaggySequences-true	useSymTags useTaggySequences	FALSE FALSE	TRUE TRUE	116.6 117.1	4091.56 4021.23	0.8556 0.8556	0.7772 0.814 0.7772 0.814		136 136	231 231	0.929083665338645 0.933067729083665	1.07716001442686 1.05864466482557	1	1	1	1	1	1	3977 3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE FALSE	TRUE TRUE	116.9 130.8	4221.87 4160.04	0.8556	0.7772 0.814	6 806	136 140	231 232	0.931474103585657	1.11146593233591	1 0.995675549322113	1 0 000041006011000	1	1	1 02041176470500	1 1.004329004329	3977 3977		
68-use2W-true 69-useLC-true	use2W useLC	FALSE	TRUE	130.8	3961.16	0.8519 0.8553	0.7763 0.812 0.7869 0.819	7 816	138	221	1.04223107569721 1.09003984063745	1.09518832582592 1.04283040276743	0.995675549322113	0.998841996911992 1.01248069994853	0.997176528357476 1.00626074146821	0.998759305210918 1.01240694789082	1.02941176470588 1.01470588235294	0.956709956709957	3977		
70-useViterbi-false	useViterbi includeFullCRFInLOP	TRUE FALSE	FALSE TRUE	116.3 121.7	4322.83 4199.58	0.8556 0.8556	0.7772 0.814 0.7772 0.814	6 806	136 136	231 231	0.926693227091633	1.13804505498266	1	1	1	1	1	1	3977 3977		
71-includeFullCRFInLOP-true 72-backpropLopTraining-true	backpropLopTraining	FALSE	TRUE	122	3969.06	0.8556	0.7772 0.814		136	231	0.969721115537849 0.972111553784861	1.10559778015885 1.04491018752287	1	1	1	1	1	1	3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772 0.814	6 806	136	231	0.965737051792829	1.16983417007374	1	1	1	1	1	1	3977		
74-useHiddenLayer-false 75-restrictLabels-false	useHiddenLayer restrictLabels	TRUE TRUE	FALSE FALSE	116.4 112.43	4134.1 4327.53	0.8556 0.8556	0.7772 0.814 0.7772 0.814		136 136	231 231	0.927490039840638 0.895856573705179	1.08835926043907 1.13928239528021	1	1	1	1	1	1	3977 3977		
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264 0.755	1 857	376	180	50.6980079681275	0.13098958264775	0.812412342215989	1.06330416881112	0.926958016204272	1.06327543424318	2.76470588235294	0.779220779220779	3977		
77-sigma-30 78-sigma-20	sigma sigma	1	30 20	758.13 630.6	3748.35 4212.92	0.8145 0.823	0.7155 0.761 0.7175 0.766		169 160	295 293	6.0408764940239 5.02470119521912	0.986805213678139 1.10910972049272	0.951963534361851 0.961898083216456	0.920612454966547 0.923185795162121	0.935182911858581 0.941075374416892	0.920595533498759 0.923076923076923	1.24264705882353 1.17647058823529	1.27705627705628 1.26839826839827	3977 3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348 0.780	7 762	153	275	3.28924302788845	1.08273067840473	0.973352033660589	0.945445187853834	0.95838448318193	0.945409429280397	1.125	1.19047619047619	3977		
80-sigma-5 81-sigma-3	sigma sigma	1	5 3	334.9 253.8	3751.89 4208.47	0.8358 0.8379	0.7608 0.796 0.7724 0.803		155 155	248 236	2.66852589641434 2.02231075697211	0.987737167859691 1.10793819616846	0.976858345021038 0.979312762973352	0.978898610396294 0.993823983530623	0.977903265406335 0.986741959243801	0.978908188585608 0.993796526054591	1.13970588235294 1.13970588235294	1.07359307359307 1.02164502164502	3977 3977		
82-sigma-2	sigma	1	2	158.2	4235.36	0.8494	0.7666 0.805	9 795	141	242	1.2605577689243	1.11501736225375	0.992753623188406	0.986361296963459	0.989319911613062	0.986352357320099	1.03676470588235	1.04761904761905	3977		
83-inferenceType-Beam 84-Qnsize-50	inferenceType QNsize	Viterbi 25	Beam 50	118.2 117.2	2185.16 4160.04	0.8558 0.8556	0.7782 0.815 0.7772 0.814		136 136	230 231	0.941832669322709 0.933864541832669	0.575273728632844 1.09518832582592	1.0002337540907 1	1.00128667009779 1	1.00073655781979 1	1.00124069478908 1	1 1	0.995670995670996 1	3977 3977	2.8G	
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553	0.7811 0.816	5 810	137	227	1.13147410358566	1.168528381164	0.999649368863955	1.00501801338137	1.002332433096	1.00496277915633	1.00735294117647	0.982683982683983	3977	2.1G	
86-Qnsize-5 87-Qnsize-2	QNsize QNsize	25 25	5 2	165.1 232.9	4212.92 4290.18	0.8586 0.8627	0.785 0.820 0.7753 0.816		134 128	223 233	1.31553784860558 1.85577689243028	1.10910972049272 1.12944948887315	1.00350631136045 1.00829827021973	1.01003602676274 0.997555326814205	1.00687453965136 1.00257795236926	1.00992555831266 0.997518610421836	0.985294117647059 0.941176470588235	0.965367965367965 1.00865800865801	3977 3977	2.0G 1.8G	
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772 0.81	5 806	135	231	1.63585657370518	1.10094590716789	1.00105189340813	1	1.00049103854653	1	0.992647058823529	1	3977		7.6M
89-featureDiffThresh-0.05 90-featureDiffThresh-0.025	featureDiffThresh featureDiffThresh	0	0.05 0.025	232.4 221.2	4248.93 3010.6	0.8571 0.8582	0.7811 0.817 0.7821 0.818		135 134	227 226	1.85179282868526 1.76254980079681	1.11858985328303 0.792582276548189	1.00175315568022 1.00303880317906	1.00501801338137 1.00630468347916	1.00343726982568 1.004664866192	1.00496277915633 1.00620347394541	0.992647058823529 0.985294117647059	0.982683982683983 0.978354978354978			10.6M 12.6M
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792 0.816	2 808	135	229	1.09003984063745	1.04804829312855	1.00140252454418	1.00257334019557	1.0019641541861	1.00248138957816	0.992647058823529	0.991341991341991	3977		
92-cleanGazette-true 93-optimal-configuration-1	cleanGazette -	FALSE -	TRUE -	114.9 668.3	4341.7 2013.67	0.8627 0.8651	0.7753 0.816 0.8284 0.846		128 134	233 178	0.915537848605578 5.32509960159363	1.14301284464534 0.530126603606189	1.00829827021973 1.01110331930809	0.997555326814205 1.06587750900669	1.00257795236926 1.03891480481218	0.997518610421836 1.06575682382134	0.941176470588235 0.985294117647059	1.00865800865801 0.770562770562771	3977 3977		
93-optimal-configuration-2	-	-	-	176.4	4581.8	0.8591	0.8351 0.846		142	171	1.40557768924303	1.20622250537717	1.00409069658719	1.07449819866186	1.03965136263197	1.07444168734491	1.04411764705882	0.74025974025974	3977		

ordered-by-f1-ratio

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	<u>Train time</u> (sec)	Classifier test Speed (words/sec)	<u>Precision</u> <u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> Positives	<u>False</u> Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	<u>Relative</u> <u>F1</u>	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	Model Size	Precision Diff	Recall Diff	<u>F1</u> <u>Diff</u>
0-recommended-properties	-	-	-	125.5	3798.47	0.8556 0.7772		806	136	231	-	-	-	- 1.074	-	-	-	- 0.740	3977	2.7G	16.5M	0.0035	0.0579	0.0323
93-optimal-configuration 41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	176.4 142.5	4581.8 3929.84	0.8591 0.8351 0.8662 0.7927	0.8469 0.8278	866 822	142 127	171 215	1.406 1.135	1.206 1.035	1.004 1.012	1.074 1.020	1.040 1.016	1.074 1.020	1.044 0.934	0.740 0.931	3977 3977					
29-wordShape-chris2 15-useDisjunctive-false	wordShape useDisjunctive	chris2useLC TRUE	chris2 FALSE	130 137.23	4332.24 4217.39	0.858 0.7985 0.867 0.7859	0.8272	828 815	137 125	209 222	1.036 1.093	1.141 1.110	1.003 1.013	1.027 1.011	1.015 1.012	1.027 1.011	1.007 0.919	0.905 0.961	3977 3977					
21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589 0.7927		822	135	215	1.284	1.156	1.013	1.020	1.012	1.020	0.913	0.931	3977					
5-noMidNGrams 34-wordFunction-Lowercase	noMidNGrams	TRUE	FALSE LowercaseAnd	136.2	3658.69	0.8549 0.7956		825	140	212	1.085	0.963	0.999	1.024	1.012	1.024	1.029	0.918	3977					
AndAmericanizeFunction	wordFunction	null	AmericanizeFunction	138.3	3980.98	0.8515 0.7965		826	144	211	1.102	1.048	0.995	1.025	1.010	1.025	1.059	0.913	3977					
2-useClassFeature-false 22-wordShape-chris1	useClassFeature wordShape	TRUE chris2useLC	FALSE chris1	125 159.6	3455.26 4013.12	0.8617 0.7869 0.8568 0.7907	0.8226 0.8225	816 820	131 137	221 217	0.996 1.272	0.910 1.057	1.007 1.001	1.012 1.017	1.010 1.010	1.012 1.017	0.963 1.007	0.957 0.939	3977 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 7-maxNGramLeng-7	wordShape maxNGramLeng	chris2useLC 6	chris3 7	118.5 128.6	4230.85 4058.16		0.8208 0.8204	822 813	144 132	215 224	0.944 1.025	1.114 1.068	0.995 1.005	1.020 1.009	1.008 1.007	1.020 1.009	1.059 0.971	0.931 0.970	3977 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 86-Qnsize-5	useObservedSequencesOnly QNsize	FALSE 25	TRUE 5	65.1 165.1	5418.26 4212.92		0.8202 0.8202	814 814	134 134	223 223	0.519 1.316	1.426 1.109	1.004 1.004	1.010 1.010	1.007 1.007	1.010 1.010	0.985 0.985	0.965 0.965	3977 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	2.00				
6-maxNGramLeng-8 69-useLC-true	maxNGramLeng useLC	6 FALSE	8 TRUE	141.2 136.8	4262.59 3961.16	0.8594 0.784 0.8553 0.7869	0.82 0.8197	813 816	133 138	224 221	1.125 1.090	1.122 1.043	1.004 1.000	1.009 1.012	1.007 1.006	1.009 1.012	0.978 1.015	0.970 0.957	3977 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 49-useEntityTypeSequences-true	useTags useEntityTypeSequences	FALSE FALSE	TRUE TRUE	120.4 142.3	4262.59 4239.87	0.8667 0.7772 0.8617 0.7811		806 810	124 130	231 227	0.959 1.134	1.122 1.116	1.013 1.007	1.000 1.005	1.006 1.006	1.000 1.005	0.912 0.956	1.000 0.983	3977 3977					
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47		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 90-featureDiffThresh-0.025	useNextSequences featureDiffThresh	FALSE 0	TRUE 0.025	146.9 221.2	4204.02 3010.6		0.8186 0.8184	810 811	132 134	227 226	1.171 1.763	1.107 0.793	1.005 1.003	1.005 1.006	1.005 1.005	1.005 1.006	0.971 0.985	0.983 0.978	3977 3977		12.6M			
46-useEntityTypes-true	useEntityTypes	FALSE	TRUE	122.5	4204.02		0.818	807	129	230	0.976	1.107	1.003	1.000	1.005	1.000	0.949	0.996	3977		TC.OIVI			
23-wordShape-dan2 25-wordShape-dan2bio	wordShape wordShape	chris2useLC chris2useLC	dan2 dan2bio	143.2 138.8	4100 4271.75	0.8502 0.7878 0.8502 0.7878	0.8178	817 817	144 144	220 220	1.141 1.106	1.079 1.125	0.994 0.994	1.014 1.014	1.004 1.004	1.014 1.014	1.059 1.059	0.952 0.952	3977 3977					
25-wordSnape-dan2blo 27-wordShape-jenny1	wordShape wordShape	chris2useLC chris2useLC	jenny1	138.8	4271.75 4529.61	0.8502 0.7878		817	144	220	1.106	1.125	0.994	1.014	1.004	1.014	1.059	0.952	3977 3977					
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE 0	TRUE	121.1	3925.96		0.8174	808 810	132	229	0.965	1.034	1.005	1.003 1.005	1.003 1.003	1.002	0.971	0.991 0.983	3977 3977		10.6M			
89-featureDiffThresh-0.05 54-useReverse-true	featureDiffThresh useReverse	FALSE	0.05 TRUE	232.4 123.9	4248.93 4017.17	0.8571 0.7811 0.8547 0.783	0.8174	810 812	135 138	227 225	1.852 0.987	1.119 1.058	1.002 0.999	1.005	1.003	1.005 1.007	0.993 1.015	0.983	3977 3977		TO:0IVI			
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69		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 87-Qnsize-2	useOrdinal QNsize	FALSE 25	TRUE 2	119.8 232.9	4013.12 4290.18	0.857 0.7801 0.8627 0.7753		809 804	135 128	228 233	0.955 1.856	1.057 1.129	1.002 1.008	1.004 0.998	1.003 1.003	1.004 0.998	0.993 0.941	0.987 1.009	3977 3977	1.8G				
92-cleanGazette-true	cleanGazette	FALSE	TRUE	114.9	4341.7		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 47-useEntityRule-true	conjoinShapeNGrams useEntityRule	FALSE FALSE	TRUE TRUE	127.3 121.9	3914.37 4083.16	0.8475 0.7878 0.8553 0.7811		817 810	147 137	220 227	1.014 0.971	1.031 1.075	0.991 1.000	1.014 1.005	1.002 1.002	1.014 1.005	1.081 1.007	0.952 0.983	3977 3977					
85-Qnsize-10	QNsize	25	10	142	4438.62	0.8553 0.7811		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 91-sloppyGazette-true	useLastRealWord sloppyGazette	FALSE FALSE	TRUE TRUE	123.3 136.8	4177.52 3980.98	0.8585 0.7782 0.8568 0.7792		807 808	133 135	230 229	0.982 1.090	1.100 1.048	1.003 1.001	1.001 1.003	1.002 1.002	1.001 1.002	0.978 0.993	0.996 0.991	3977 3977					
33-wordShape-chris4	wordShape	chris2useLC	chris4	113	3914.37		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 3-useWord-false	inferenceType useWord	Viterbi TRUE	Beam FALSE	118.2 137.9	2185.16 3899.02		0.8152 0.815	807 802	136 129	230 235	0.942 1.099	0.575 1.026	1.000 1.007	1.001 0.995	1.001 1.000	1.001 0.995	1.000 0.949	0.996 1.017	3977 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 59-disjunctionWidth-3	maxLeft disjunctionWidth	1 4	2 3	1192.2 115.8	728.39 4217.39	0.8573 0.7763 0.863 0.7715		805 800	134 127	232 237	9.500 0.923	0.192 1.110	1.002 1.009	0.999 0.993	1.000 1.000	0.999 0.993	0.985 0.934	1.004 1.026	3977 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 35-initWithNERPosterior-true	wordShape initWithNERPosterior	chris2useLC FALSE	chris2useLC TRUE	116.4 117.6	4204.02 4276.34	0.8556 0.7772 0.8556 0.7772		806 806	136 136	231 231	0.927 0.937	1.107 1.126	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 45-useTitle-true	useKnownLCWords useTitle	TRUE FALSE	FALSE TRUE	118.2 118.1	4346.45 4173.14	0.8556 0.7772 0.8556 0.7772	0.8146	806 806	136 136	231 231	0.942 0.941	1.144 1.099	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 55-normalize-true	useNextRealWord normalize	FALSE FALSE	TRUE TRUE	113.2 116	4155.69 4493.79	0.8605 0.7734 0.8556 0.7772	0.8146 0.8146	802 806	130 136	235 231	0.902 0.924	1.094 1.183	1.006 1.000	0.995 1.000	1.000 1.000	0.995 1.000	0.956 1.000	1.017 1.000	3977 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 65-useSymTags-true	useBoundarySequences useSymTags	FALSE FALSE	TRUE TRUE	116.4 116.6	4244.4 4091.56	0.8556 0.7772 0.8556 0.7772		806 806	136 136	231 231	0.927 0.929	1.117 1.077	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 70-useViterbi-false	useOccurrencePatterns useViterbi	FALSE TRUE	TRUE FALSE	116.9 116.3	4221.87 4322.83	0.8556 0.7772 0.8556 0.7772		806 806	136 136	231 231	0.931 0.927	1.111 1.138	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 73-useOutputLayer-false	backpropLopTraining useOutputLayer	FALSE TRUE	TRUE FALSE	122 121.2	3969.06 4443.58	0.8556 0.7772 0.8556 0.7772		806 806	136 136	231 231	0.972 0.966	1.045 1.170	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 84-Onsize-50	restrictLabels ONsize	TRUE 25	FALSE 50	112.43 117.2	4327.53 4160.04	0.8556 0.7772 0.8556 0.7772		806 806	136 136	231 231	0.896 0.934	1.139 1.095	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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	2.00				
20-useTypeySequences-false 68-use2W-true	useTypeySequences use2W	TRUE FALSE	FALSE TRUE	125.2 130.8	4299.46 4160.04	0.854 0.7782 0.8519 0.7763		807 805	138 140	230 232	0.998 1.042	1.132 1.095	0.998 0.996	1.001 0.999	1.000 0.997	1.001 0.999	1.015 1.029	0.996 1.004	3977 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 17-usePrevSequences-false	useSequences usePrevSequences	TRUE TRUE	FALSE FALSE	64.8 65.2	3225.47 4108.47	0.8402 0.7811 0.8402 0.7811		810 810	154 154	227 227	0.516 0.520	0.849 1.082	0.982 0.982	1.005 1.005	0.994 0.994	1.005 1.005	1.132 1.132	0.983 0.983	3977 3977					
8-maxNGramLeng-5	maxNGramLeng	6	5	116.1	4498.87	0.8541 0.7676		796	136	241	0.925	1.184	0.998	0.988	0.993	0.988	1.000	1.043	3977					
57-disjunctionWidth-6 24-wordShape-dan2useLC	disjunctionWidth wordShape	4 chris2useLC	6 dan2useLC	118.7 119.4	4327.53 4313.45	0.8484 0.7715 0.8497 0.7686		800 797	143 141	237 240	0.946 0.951	1.139 1.136	0.992 0.993	0.993 0.989	0.992 0.991	0.993 0.989	1.051 1.037	1.026 1.039	3977 3977					
26-wordShape-dan2bioUseLC	wordShape	chris2useLC	dan2bioUseLC	119.3	4394.48	0.8497 0.7686		797	141	240	0.951	1.157	0.993	0.989	0.991	0.989	1.037	1.039	3977					
28-wordShape-jenny1useLC	wordShape sigma	chris2useLC 1	jenny1useLC 2	118.5 158.2	4095.78 4235.36	0.8497 0.7686 0.8494 0.7666		797 795	141 141	240 242	0.944 1.261	1.078 1.115	0.993 0.993	0.989 0.986	0.991 0.989	0.989 0.986	1.037 1.037	1.039 1.048	3977 3977					
82-sigma-2 13-usePrev-false	usePrev	TRUE	FALSE	65.1	3961.16	0.8328 0.7782		807	162	230	0.519	1.043	0.993	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 9-maxNGramLeng-4	useDisjunctiveShapeInteraction maxNGramLeng	FALSE 6	TRUE 4	149.7 143	4404.21 4074.8	0.8534 0.7522 0.843 0.756		780 784	134 146	257 253	1.193 1.139	1.159 1.073	0.997 0.985	0.968 0.973	0.982 0.979	0.968 0.973	0.985 1.074	1.113 1.095	3977 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 39-useMoreNeighborNGrams-true	maxNGramLeng useMoreNeighborNGrams	6 FALSE	3 TRUE	128.9 141	4370.33 3933.73	0.839 0.7435 0.8348 0.7454		771 773	148 153	266 264	1.027 1.124	1.151 1.036	0.981 0.976	0.957 0.959	0.968 0.967	0.957 0.959	1.088 1.125	1.152 1.143	3977 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 78-sigma-20	maxNGramLeng sigma	6 1	2 20	132.6 630.6	4199.58 4212.92	0.8247 0.7213 0.823 0.7175		748 744	159 160	289 293	1.057 5.025	1.106 1.109	0.964 0.962	0.928 0.923	0.945 0.941	0.928 0.923	1.169 1.176	1.251 1.268	3977 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 4-useNGrams-false	useBagOfWords useNGrams	FALSE TRUE	TRUE FALSE	6362.6 148.9	497.56 3827.72	0.6951 0.8264 0.8138 0.6914		857 717	376 164	180 320	50.698 1.186	0.131 1.008	0.812 0.951	1.063 0.890	0.927 0.918	1.063 0.890	2.765 1.206	0.779 1.385	3977 3977					
12-maxNGramLeng-1	maxNGramLeng	6	1	138	4177.52	0.8138 0.6914		717	164	320	1.100	1.100	0.951	0.890	0.918	0.890	1.206	1.385	3977					

										(	ordered-by-pi	recision-ratio										
<u>Test folder</u>	<u>Changed</u> Parameter	<u>Recommended</u> <u>Value</u>	<u>Test</u> <u>Value</u>	<u>Train time</u> (sec)	Classifier test Speed (words/sec)	<u>Precision</u>	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> <u>Positives</u>	<u>False</u> Negatives	Relative Train time (sec)	Relative Classifier test Speed	<u>Relative</u> <u>Precision</u>	Relative Recall	<u>Relative</u> <u>F1</u>	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words		Model Size
0-recommended-properties	<del>.</del>	-	-	125.5	3798.47	0.8556		0.8146	806	136	231		(words/sec)			-			-	3977	2.7G 1	16.5M
61-disjunctionWidth-1 15-useDisjunctive-false	disjunctionWidth useDisjunctive	4 TRUE	1 FALSE	118.2 137.23	4208.47 4217.39	0.8675 0.867	0.7763 0.7859	0.8193 0.8245	805 815	123 125	232 222	0.942 1.093	1.108 1.110	1.014 1.013	0.999 1.011	1.006 1.012	0.999 1.011	0.904 0.919	1.004 0.961	3977 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		
41-lowercaseNGrams-true	lowercaseNGrams	FALSE	TRUE	142.5 176.4	3929.84 4581.8	0.8662 0.8591	0.7927 0.8351	0.8278 0.8469	822 866	127 142	215 171	1.135 1.406	1.035 1.206	1.012 1.004	1.020 1.074	1.016 1.040	1.020 1.074	0.934 1.044	0.931 0.740	3977 3977		
93-optimal-configuration 58-disjunctionWidth-5	- disjunctionWidth	4	- 5	176.4	4581.8 4134.1	0.8591	0.8351	0.8469	809	142 127	228	1.406	1.206	1.004	1.074	1.040	1.074	0.934	0.740	3977 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 87-Qnsize-2	disjunctionWidth QNsize	4 25	2 2	116.1 232.9	4258.03 4290.18	0.863 0.8627	0.7715 0.7753	0.8147 0.8167	800 804	127 128	237 233	0.925 1.856	1.121 1.129	1.009 1.008	0.993 0.998	1.000 1.003	0.993 0.998	0.934 0.941	1.026 1.009	3977 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	2.00	
46-useEntityTypes-true 37-useWordPairs-true	useEntityTypes useWordPairs	FALSE FALSE	TRUE TRUE	122.5 140.8	4204.02 4155.69	0.8622 0.8619	0.7782 0.7763	0.818 0.8168	807 805	129 129	230 232	0.976 1.122	1.107 1.094	1.008 1.007	1.001 0.999	1.004 1.003	1.001 0.999	0.949 0.949	0.996 1.004	3977 3977		
2-useClassFeature-false	useClassFeature	TRUE	FALSE	125	3455.26	0.8617	0.7869	0.8226	816	131	232	0.996	0.910	1.007	1.012	1.003	1.012	0.949	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 14-useNext-false	useWord useNext	TRUE TRUE	FALSE FALSE	137.9 115.5	3899.02 4029.38	0.8614 0.8611	0.7734 0.783	0.815 0.8202	802 812	129 131	235 225	1.099 0.920	1.026 1.061	1.007 1.006	0.995 1.007	1.000 1.007	0.995 1.007	0.949 0.963	1.017 0.974	3977 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 51-useNextSequences-true	maxNGramLeng useNextSequences	6 FALSE	7 TRUE	128.6 146.9	4058.16 4204.02	0.8603 0.8599	0.784 0.7811	0.8204 0.8186	813 810	132 132	224 227	1.025 1.171	1.068 1.107	1.005 1.005	1.009 1.005	1.007 1.005	1.009 1.005	0.971 0.971	0.970 0.983	3977 3977		
18-useTypeSeqs-false	useTypeSeqs	TRUE	FALSE	118.9	4121.24	0.8597	0.7811	0.8180	815	133	222	0.947	1.085	1.005	1.003	1.003	1.003	0.971	0.963	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 21-wordShape-dan1	maxNGramLeng wordShape	6 chris2useLC	8 dan1	141.2 161.1	4262.59 4389.62	0.8594 0.8589	0.784 0.7927	0.82 0.8245	813 822	133 135	224 215	1.125 1.284	1.122 1.156	1.004 1.004	1.009 1.020	1.007 1.012	1.009 1.020	0.978 0.993	0.970 0.931	3977 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 52-useLastRealWord-true	QNsize useLastRealWord	25 FALSE	5 TRUE	165.1 123.3	4212.92 4177.52	0.8586 0.8585	0.785 0.7782	0.8202 0.8164	814 807	134 133	223 230	1.316 0.982	1.109 1.100	1.004 1.003	1.010 1.001	1.007 1.002	1.010 1.001	0.985 0.978	0.965 0.996	3977 3977	2.0G	
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025	221.2	3010.6	0.8582	0.77821	0.8184	811	134	226	1.763	0.793	1.003	1.006	1.002	1.006	0.985	0.996	3977	1	12.6M
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		
1-maxLeft-2 89-featureDiffThresh-0.05	maxLeft featureDiffThresh	0	2 0.05	1192.2 232.4	728.39 4248.93	0.8573 0.8571	0.7763 0.7811	0.8148 0.8174	805 810	134 135	232 227	9.500 1.852	0.192 1.119	1.002 1.002	0.999 1.005	1.000 1.003	0.999 1.005	0.985 0.993	1.004 0.983	3977 3977	1	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 91-sloppyGazette-true	wordShape sloppyGazette	chris2useLC FALSE	chris1 TRUE	159.6 136.8	4013.12 3980.98	0.8568 0.8568	0.7907 0.7792	0.8225 0.8162	820 808	137 135	217 229	1.272 1.090	1.057 1.048	1.001 1.001	1.017 1.003	1.010 1.002	1.017 1.002	1.007 0.993	0.939 0.991	3977 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	1.002	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 33-wordShape-chris4	useTypeSeqs2 wordShape	TRUE chris2useLC	FALSE chris4	126.8 113	4142.71 3914.37	0.8561 0.8559	0.7859 0.7792	0.8195 0.8157	815 808	137 136	222 229	1.010 0.900	1.091 1.031	1.001 1.000	1.011 1.003	1.006 1.001	1.011 1.002	1.007 1.000	0.961 0.991	3977 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 35-initWithNERPosterior-true	wordShape initWithNERPosterior	chris2useLC FALSE	chris2useLC TRUE	116.4 117.6	4204.02 4276.34	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.927 0.937	1.107 1.126	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 45-useTitle-true	useKnownLCWords useTitle	TRUE FALSE	FALSE TRUE	118.2 118.1	4346.45 4173.14	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.942 0.941	1.144 1.099	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 3977		
50-useLongSequences-true	useLongSequences	FALSE	TRUE	116.9	4049.9	0.8556		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 63-useBoundarySequences-true	normalizeTimex useBoundarySequences	FALSE FALSE	TRUE TRUE	116.1 116.4	4262.59 4244.4	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.925 0.927	1.122 1.117	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 67-useOccurrencePatterns-true	useTaggySequences useOccurrencePatterns	FALSE FALSE	TRUE TRUE	117.1 116.9	4021.23 4221.87	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.933 0.931	1.059 1.111	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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		0.8146	806 806	136	231	0.970	1.106	1.000	1.000	1.000	1.000	1.000	1.000	3977		
72-backpropLopTraining-true 73-useOutputLayer-false	backpropLopTraining useOutputLayer	FALSE TRUE	TRUE FALSE	122 121.2	3969.06 4443.58	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806	136 136	231 231	0.972 0.966	1.045 1.170	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 84-Qnsize-50	restrictLabels QNsize	TRUE 25	FALSE 50	112.43 117.2	4327.53 4160.04	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.896 0.934	1.139 1.095	1.000 1.000	1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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	2.00	
47-useEntityRule-true 85-Qnsize-10	useEntityRule QNsize	FALSE 25	TRUE 10	121.9 142	4083.16 4438.62	0.8553 0.8553	0.7811 0.7811	0.8165 0.8165	810 810	137 137	227 227	0.971 1.131	1.075 1.169	1.000 1.000	1.005 1.005	1.002 1.002	1.005 1.005	1.007 1.007	0.983 0.983	3977 3977	2.1G	
5-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956	0.8103	825	140	212	1.085	0.963	0.999	1.003	1.002	1.003	1.029	0.963	3977	2.10	
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 20-useTypeySequences-false	maxNGramLeng useTypeySequences	6 TRUE	5 FALSE	116.1 125.2	4498.87 4299.46	0.8541 0.854	0.7676 0.7782	0.8085 0.8143	796 807	136 138	241 230	0.925 0.998	1.184 1.132	0.998 0.998	0.988 1.001	0.993 1.000	0.988 1.001	1.000 1.015	1.043 0.996	3977 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 34-wordFunction-Lowercase	use2W	FALSE	TRUE LowercaseAnd	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		
AndAmericanizeFunction	wordFunction	null	AmericanizeFunction	138.3	3980.98	0.8515	0.7965		826	144	211	1.102	1.048	0.995	1.025	1.010	1.025	1.059	0.913	3977		
31-wordShape-chris3 23-wordShape-dan2	wordShape wordShape	chris2useLC chris2useLC	chris3 dan2	118.5 143.2	4230.85 4100	0.8509 0.8502	0.7927 0.7878	0.8208 0.8178	822 817	144 144	215 220	0.944 1.141	1.114 1.079	0.995 0.994	1.020 1.014	1.008 1.004	1.020 1.014	1.059 1.059	0.931 0.952	3977 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 24-wordShape-dan2useLC	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		
26-wordShape-dan2bioUseLC	wordShape wordShape	chris2useLC chris2useLC	dan2useLC dan2bioUseLC	119.4 119.3	4313.45 4394.48	0.8497 0.8497	0.7686 0.7686	0.8071 0.8071	797 797	141 141	240 240	0.951 0.951	1.136 1.157	0.993 0.993	0.989 0.989	0.991 0.991	0.989 0.989	1.037 1.037	1.039 1.039	3977 3977		
28-wordShape-jenny1useLC	wordShape	chris2useLC	jenny1useLC	118.5	4095.78	0.8497		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 32-wordShape-chris3useLC	sigma wordShape	1 chris2useLC	2 chris3useLC	158.2 124.1	4235.36 4248.93	0.8494 0.8488	0.7666 0.7743	0.8059 0.8099	795 803	141 143	242 234	1.261 0.989	1.115 1.119	0.993 0.992	0.986 0.996	0.989 0.994	0.986 0.996	1.037 1.051	1.048 1.013	3977 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		
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 16-useSequences-false	maxNGramLeng useSequences	6 TRUE	4 FALSE	143 64.8	4074.8 3225.47	0.843 0.8402	0.756 0.7811	0.7972 0.8096	784 810	146 154	253 227	1.139 0.516	1.073 0.849	0.985 0.982	0.973 1.005	0.979 0.994	0.973 1.005	1.074 1.132	1.095 0.983	3977 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 81-sigma-3	maxNGramLeng sigma	6 1	3 3	128.9 253.8	4370.33 4208.47	0.839 0.8379	0.7435 0.7724	0.7883 0.8038	771 801	148 155	266 236	1.027 2.022	1.151 1.108	0.981 0.979	0.957 0.994	0.968 0.987	0.957 0.994	1.088 1.140	1.152 1.022	3977 3977		
80-sigma-5	sigma sigma	1	5 5	334.9	3751.89	0.8358	0.7608	0.7966	789	155	248	2.669	0.988	0.979	0.994	0.978	0.994	1.140	1.022	3977		
39-useMoreNeighborNGrams-true	useMoreNeighborNGrams	FALSE	TRUE	141	3933.73	0.8348		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 79-sigma-10	usePrev sigma	TRUE 1	FALSE 10	65.1 412.8	3961.16 4112.72	0.8328 0.8328	0.7782 0.7348	0.8046 0.7807	807 762	162 153	230 275	0.519 3.289	1.043 1.083	0.973 0.973	1.001 0.945	0.988 0.958	1.001 0.945	1.191 1.125	0.996 1.190	3977 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 77-sigma-30	sigma sigma	1	20 30	630.6 758.13	4212.92 3748.35	0.823 0.8145	0.7175 0.7155	0.7666 0.7618	744 742	160 169	293 295	5.025 6.041	1.109 0.987	0.962 0.952	0.923 0.921	0.941 0.935	0.923 0.921	1.176 1.243	1.268 1.277	3977 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	717 857	164	320	1.100 50.698	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	00/	376	180	50.098	0.131	0.812	1.063	0.927	1.063	2.765	0.779	3977		

ordered-by-recall-ratio

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	Train time (sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> Positives	<u>False</u> <u>Negatives</u>	<u>Relative</u> <u>Train time</u> (sec)	Relative Classifier test Speed (words/sec)	Relative Precision	Relative Recall	Relative <u>F1</u>	<u>Relative</u> <u>True</u> <u>Positives</u>	<u>Relative</u> <u>False</u> <u>Positives</u>	<u>Relative</u> <u>False</u> Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	Model Size
0-recommended-properties	•	-	-	125.5	3798.47	0.8556		0.8146	806	136	231	-	-	-	-	-	-	-	-	3977	2.7G	16.5M
93-optimal-configuration 76-useBagOfWords-true	- useBagOfWords	- FALSE	- TRUE	176.4 6362.6	4581.8 497.56	0.8591 0.6951	0.8351 0.8264	0.8469 0.7551	866 857	142 376	171 180	1.406 50.698	1.206 0.131	1.004 0.812	1.074 1.063	1.040 0.927	1.074 1.063	1.044 2.765	0.740 0.779	3977 3977		
29-wordShape-chris2	wordShape	chris2useLC	chris2	130	4332.24	0.858	0.8204	0.7331	828	137	209	1.036	1.141	1.003	1.003	1.015	1.003	1.007	0.779	3977		
34-wordFunction-Lowercase	wordFunction	null	LowercaseAnd	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		
AndAmericanizeFunction 5-noMidNGrams	noMidNGrams	TRUE	AmericanizeFunction 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 chris3	161.1	4389.62	0.8589	0.7927	0.8245	822	135 144	215	1.284 0.944	1.156	1.004	1.020 1.020	1.012	1.020	0.993	0.931	3977 3977		
31-wordShape-chris3 22-wordShape-chris1	wordShape wordShape	chris2useLC chris2useLC	chris1	118.5 159.6	4230.85 4013.12	0.8509 0.8568	0.7927 0.7907	0.8208 0.8225	822 820	137	215 217	1.272	1.114 1.057	0.995 1.001	1.020	1.008 1.010	1.020 1.017	1.059 1.007	0.931 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 27-wordShape-jenny1	wordShape wordShape	chris2useLC chris2useLC	dan2bio jenny1	138.8 137.8	4271.75 4529.61	0.8502 0.8502	0.7878 0.7878	0.8178 0.8178	817 817	144 144	220 220	1.106 1.098	1.125 1.192	0.994 0.994	1.014 1.014	1.004 1.004	1.014 1.014	1.059 1.059	0.952 0.952	3977 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	1.004	1.014	1.033	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 15-useDisjunctive-false	useLC useDisjunctive	FALSE TRUE	TRUE FALSE	136.8 137.23	3961.16 4217.39	0.8553 0.867	0.7869 0.7859	0.8197 0.8245	816 815	138 125	221 222	1.090 1.093	1.043 1.110	1.000 1.013	1.012 1.011	1.006 1.012	1.012 1.011	1.015 0.919	0.957 0.961	3977 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 86-Qnsize-5	useObservedSequencesOnly QNsize	FALSE 25	TRUE 5	65.1 165.1	5418.26 4212.92	0.8586 0.8586	0.785 0.785	0.8202 0.8202	814 814	134 134	223 223	0.519 1.316	1.426 1.109	1.004 1.004	1.010 1.010	1.007 1.007	1.010 1.010	0.985 0.985	0.965 0.965	3977 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 14-useNext-false	maxNGramLeng	6 TRUE	8 FALSE	141.2 115.5	4262.59 4029.38	0.8594 0.8611	0.784 0.783	0.82 0.8202	813 812	133 131	224 225	1.125 0.920	1.122 1.061	1.004 1.006	1.009 1.007	1.007 1.007	1.009 1.007	0.978 0.963	0.970 0.974	3977 3977		
54-useReverse-true	useNext useReverse	FALSE	TRUE	123.9	4017.17	0.8547	0.783	0.8202	812	138	225	0.920	1.058	0.999	1.007	1.007	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 51-useNextSequences-true	useEntityTypeSequences useNextSequences	FALSE FALSE	TRUE TRUE	142.3 146.9	4239.87 4204.02	0.8617 0.8599	0.7811 0.7811	0.8194 0.8186	810 810	130 132	227 227	1.134 1.171	1.116 1.107	1.007 1.005	1.005 1.005	1.006 1.005	1.005 1.005	0.956 0.971	0.983 0.983	3977 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	1.003	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 16-useSequences-false	QNsize useSequences	25 TRUE	10 FALSE	142 64.8	4438.62 3225.47	0.8553 0.8402	0.7811 0.7811	0.8165 0.8096	810 810	137 154	227 227	1.131 0.516	1.169 0.849	1.000 0.982	1.005 1.005	1.002 0.994	1.005 1.005	1.007 1.132	0.983 0.983	3977 3977	2.1G	
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 42-dehyphenateNGrams-true	useOrdinal dehyphenateNGrams	FALSE FALSE	TRUE TRUE	119.8 121.1	4013.12 3925.96	0.857 0.8596	0.7801 0.7792	0.8168 0.8174	809 808	135 132	228 229	0.955 0.965	1.057 1.034	1.002 1.005	1.004 1.003	1.003 1.003	1.004 1.002	0.993 0.971	0.987 0.991	3977 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 46-useEntityTypes-true	wordShape	chris2useLC FALSE	chris4 TRUE	113 122.5	3914.37 4204.02	0.8559 0.8622	0.7792	0.8157	808 807	136 129	229 230	0.900 0.976	1.031 1.107	1.000 1.008	1.003 1.001	1.001 1.004	1.002 1.001	1.000 0.949	0.991 0.996	3977 3977		
52-useLastRealWord-true	useEntityTypes useLastRealWord	FALSE	TRUE	123.3	4177.52	0.8585	0.7782 0.7782	0.818 0.8164	807	133	230	0.976	1.107	1.008	1.001	1.004	1.001	0.949	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 13-usePrev-false	useTypeySequences usePrev	TRUE TRUE	FALSE FALSE	125.2 65.1	4299.46 3961.16	0.854 0.8328	0.7782 0.7782	0.8143 0.8046	807 807	138 162	230 230	0.998 0.519	1.132 1.043	0.998 0.973	1.001 1.001	1.000 0.988	1.001 1.001	1.015 1.191	0.996 0.996	3977 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 35-initWithNERPosterior-true	wordShape initWithNERPosterior	chris2useLC FALSE	chris2useLC TRUE	116.4 117.6	4204.02 4276.34	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.927 0.937	1.107 1.126	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 3977		
36-applyNERPenalty-false	applyNERPenalty	TRUE	FALSE	118.4	4235.36	0.8556	0.7772		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	806 806	136 136	231	0.942	1.144	1.000	1.000 1.000	1.000	1.000	1.000 1.000	1.000 1.000	3977 3977		
45-useTitle-true 50-useLongSequences-true	useTitle useLongSequences	FALSE FALSE	TRUE TRUE	118.1 116.9	4173.14 4049.9	0.8556 0.8556	0.7772	0.8146 0.8146	806	136	231 231	0.941 0.931	1.099 1.066	1.000 1.000	1.000	1.000 1.000	1.000 1.000	1.000	1.000	3977 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 63-useBoundarySequences-true	normalizeTimex useBoundarySequences	FALSE FALSE	TRUE TRUE	116.1 116.4	4262.59 4244.4	0.8556 0.8556	0.7772 0.7772		806 806	136 136	231 231	0.925 0.927	1.122 1.117	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 3977		
65-useSymTags-true	useSymTags	FALSE	TRUE	116.6	4091.56	0.8556	0.7772		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 70-useViterbi-false	useOccurrencePatterns useViterbi	FALSE TRUE	TRUE FALSE	116.9 116.3	4221.87 4322.83	0.8556 0.8556		0.8146 0.8146	806 806	136 136	231 231	0.931 0.927	1.111 1.138	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 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 73-useOutputLayer-false	backpropLopTraining useOutputLayer	FALSE TRUE	TRUE FALSE	122 121.2	3969.06 4443.58	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.972 0.966	1.045 1.170	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	1.000 1.000	3977 3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772		806	136	231	0.900	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			806	136	231	0.896	1.139	1.000	1.000	1.000	1.000	1.000	1.000	3977		
84-Qnsize-50 61-disjunctionWidth-1	QNsize disjunctionWidth	25 4	50 1	117.2 118.2	4160.04 4208.47	0.8556 0.8675	0.7772 0.7763		806 805	136 123	231 232	0.934 0.942	1.095 1.108	1.000 1.014	1.000 0.999	1.000 1.006	1.000 0.999	1.000 0.904	1.000 1.004	3977 3977	2.8G	
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 68-use2W-true	useNeighborNGrams use2W	FALSE FALSE	TRUE TRUE	209.4 130.8	3827.72 4160.04	0.8564 0.8519	0.7763 0.7763		805 805	135 140	232 232	1.669 1.042	1.008 1.095	1.001 0.996	0.999 0.999	1.000 0.997	0.999 0.999	0.993 1.029	1.004 1.004	3977 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		804	128	233	0.916	1.143	1.008	0.998	1.003	0.998	0.941	1.009	3977		
32-wordShape-chris3useLC 3-useWord-false	wordShape useWord	chris2useLC TRUE	chris3useLC FALSE	124.1 137.9	4248.93 3899.02	0.8488 0.8614	0.7743 0.7734	0.8099 0.815	803 802	143 129	234 235	0.989 1.099	1.119 1.026	0.992 1.007	0.996 0.995	0.994 1.000	0.996 0.995	1.051 0.949	1.013 1.017	3977 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 59-disjunctionWidth-3	sigma disjunctionWidth	1	3	253.8 115.8	4208.47 4217.39	0.8379 0.863	0.7724 0.7715	0.8038	801 800	155 127	236 237	2.022 0.923	1.108 1.110	0.979 1.009	0.994 0.993	0.987 1.000	0.994 0.993	1.140 0.934	1.022 1.026	3977 3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715		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 26-wordShape-dan2bioUseLC	wordShape wordShape	chris2useLC chris2useLC	dan2useLC dan2bioUseLC	119.4 119.3	4313.45 4394.48	0.8497 0.8497	0.7686 0.7686	0.8071 0.8071	797 797	141 141	240 240	0.951 0.951	1.136 1.157	0.993 0.993	0.989 0.989	0.991 0.991	0.989 0.989	1.037 1.037	1.039 1.039	3977 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	0.7676		796	136	241	0.925	1.184	0.998	0.988	0.993	0.988	1.000	1.043	3977		
82-sigma-2 80-sigma-5	sigma sigma	1 1	2 5	158.2 334.9	4235.36 3751.89	0.8494 0.8358	0.7666 0.7608	0.8059 0.7966	795 789	141 155	242 248	1.261 2.669	1.115 0.988	0.993 0.977	0.986 0.979	0.989 0.978	0.986 0.979	1.037 1.140	1.048 1.074	3977 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 39-useMoreNeighborNGrams-true	useDisjunctiveShapeInteraction useMoreNeighborNGrams	FALSE FALSE	TRUE TRUE	149.7 141	4404.21 3933.73	0.8534 0.8348		0.7996 0.7876	780 773	134 153	257 264	1.193 1.124	1.159 1.036	0.997 0.976	0.968 0.959	0.982 0.967	0.968 0.959	0.985 1.125	1.113 1.143	3977 3977		
10-maxNGramLeng-3	maxNGramLeng	6	3	128.9	4370.33	0.8348	0.7454	0.7876	773 771	148	264 266	1.124	1.036	0.976	0.959	0.968	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 78-sigma-20	maxNGramLeng sigma	6 1	2 20	132.6 630.6	4199.58 4212.92	0.8247 0.823	0.7213 0.7175	0.7695 0.7666	748 744	159 160	289 293	1.057 5.025	1.106 1.109	0.964 0.962	0.928 0.923	0.945 0.941	0.928 0.923	1.169 1.176	1.251 1.268	3977 3977		
76-sigma-20 77-sigma-30	sigma sigma	1	30	758.13	3748.35	0.823	0.7175		744	169	295 295	6.041	0.987	0.952	0.923	0.935	0.923	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	u.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-train-time

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	<u>Recommended</u> <u>Value</u>	<u>Test</u> <u>Value</u>	Train time (sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> <u>Positives</u>	<u>False</u> <u>Negatives</u>	Relative Train time (sec)	Relative Classifier test Speed	<u>Relative</u> <u>Precision</u>	<u>Relative</u> <u>Recall</u>	Relative <u>F1</u>	Relative True Positives	Relative False Positives	<u>Relative</u> <u>False</u> Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	<u>Model</u> <u>Size</u>
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264	0.7551	857	376	180	1.000	(words/sec) 1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
1-maxLeft-2 77-sigma-30	maxLeft sigma	1 1	2 30	1192.2 758.13	728.39 3748.35	0.8573 0.8145	0.7763 0.7155	0.8148 0.7618	805 742	134 169	232 295	0.187 0.119	1.464 7.533	1.233 1.172	0.939 0.866	1.079 1.009	0.939 0.866	0.356 0.449	1.289 1.639	3977 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 79-sigma-10	sigma sigma	1 1	20 10	630.6 412.8	4212.92 4112.72	0.823 0.8328	0.7175 0.7348	0.7666 0.7807	744 762	160 153	293 275	0.099 0.065	8.467 8.266	1.184 1.198	0.868 0.889	1.015 1.034	0.868 0.889	0.426 0.407	1.628 1.528	3977 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 87-Qnsize-2	sigma QNsize	1 25	3 2	253.8 232.9	4208.47 4290.18	0.8379 0.8627	0.7724 0.7753	0.8038 0.8167	801 804	155 128	236 233	0.040 0.037	8.458 8.622	1.205 1.241	0.935 0.938	1.064 1.082	0.935 0.938	0.412 0.340	1.311 1.294	3977 3977	1.8G	
89-featureDiffThresh-0.05	featureDiffThresh	0	0.05	232.9	4248.93	0.8571	0.7753	0.8174	810	135	233	0.037	8.540	1.233	0.938	1.082	0.936	0.340	1.294	3977	1.66	10.6M
90-featureDiffThresh-0.025	featureDiffThresh	0 FALSE	0.025 TRUE	221.2 209.4	3010.6 3827.72	0.8582 0.8564	0.7821 0.7763	0.8184 0.8144	811 805	134 135	226 232	0.035 0.033	6.051 7.693	1.235 1.232	0.946 0.939	1.084 1.079	0.946 0.939	0.356 0.359	1.256 1.289	3977 3977		12.6M
38-useNeighborNGrams-true 88-featureDiffThresh-0.1	useNeighborNGrams featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	232	0.033	8.405	1.232	0.939	1.079	0.939	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 22-wordShape-chris1	wordShape wordShape	chris2useLC chris2useLC	dan1 chris1	161.1 159.6	4389.62 4013.12	0.8589 0.8568	0.7927 0.7907	0.8245 0.8225	822 820	135 137	215 217	0.025 0.025	8.822 8.066	1.236 1.233	0.959 0.957	1.092 1.089	0.959 0.957	0.359 0.364	1.194 1.206	3977 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 4-useNGrams-false	useDisjunctiveShapeInteraction useNGrams	FALSE TRUE	TRUE FALSE	149.7 148.9	4404.21 3827.72	0.8534 0.8138	0.7522 0.6914	0.7996 0.7477	780 717	134 164	257 320	0.024 0.023	8.852 7.693	1.228 1.171	0.910 0.837	1.059 0.990	0.910 0.837	0.356 0.436	1.428 1.778	3977 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 9-maxNGramLeng-4	wordShape maxNGramLeng	chris2useLC 6	dan2 4	143.2 143	4100 4074.8	0.8502 0.843	0.7878 0.756	0.8178 0.7972	817 784	144 146	220 253	0.023 0.022	8.240 8.190	1.223 1.213	0.953 0.915	1.083 1.056	0.953 0.915	0.383 0.388	1.222 1.406	3977 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 85-Qnsize-10	useEntityTypeSequences QNsize	FALSE 25	TRUE 10	142.3 142	4239.87 4438.62	0.8617 0.8553	0.7811 0.7811	0.8194 0.8165	810 810	130 137	227 227	0.022 0.022	8.521 8.921	1.240 1.230	0.945 0.945	1.085 1.081	0.945 0.945	0.346 0.364	1.261 1.261	3977 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 37-useWordPairs-true	useMoreNeighborNGrams useWordPairs	FALSE FALSE	TRUE TRUE	141 140.8	3933.73 4155.69	0.8348 0.8619	0.7454 0.7763	0.7876 0.8168	773 805	153 129	264 232	0.022 0.022	7.906 8.352	1.201 1.240	0.902 0.939	1.043 1.082	0.902 0.939	0.407 0.343	1.467 1.289	3977 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-Lowercase AndAmericanizeFunction	wordFunction	null	LowercaseAnd AmericanizeFunction	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 27-wordShape-jenny1	useWord wordShape	TRUE chris2useLC	FALSE jenny1	137.9 137.8	3899.02 4529.61	0.8614 0.8502	0.7734 0.7878	0.815 0.8178	802 817	129 144	235 220	0.022 0.022	7.836 9.104	1.239 1.223	0.936 0.953	1.079 1.083	0.936 0.953	0.343 0.383	1.306 1.222	3977 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 91-sloppyGazette-true	useLC sloppyGazette	FALSE FALSE	TRUE TRUE	136.8 136.8	3961.16 3980.98	0.8553 0.8568	0.7869 0.7792	0.8197 0.8162	816 808	138 135	221 229	0.022 0.022	7.961 8.001	1.230 1.233	0.952 0.943	1.086 1.081	0.952 0.943	0.367 0.359	1.228 1.272	3977 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		
58-disjunctionWidth-5 11-maxNGramLeng-2	disjunctionWidth	4 6	5 2	134.8 132.6	4134.1 4199.58	0.8643 0.8247	0.7801 0.7213	0.8201	809 748	127 159	228 289	0.021 0.021	8.309 8.440	1.243 1.186	0.944 0.873	1.086 1.019	0.944 0.873	0.338 0.423	1.267 1.606	3977 3977		
68-use2W-true	maxNGramLeng use2W	FALSE	TRUE	130.8	4199.56	0.8519	0.7213	0.7695 0.8123	805	140	232	0.021	8.361	1.226	0.873	1.019	0.873	0.423	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 7-maxNGramLeng-7	maxNGramLeng maxNGramLeng	6 6	3 7	128.9 128.6	4370.33 4058.16	0.839 0.8603	0.7435 0.784	0.7883 0.8204	771 813	148 132	266 224	0.020 0.020	8.784 8.156	1.207 1.238	0.900 0.949	1.044 1.086	0.900 0.949	0.394 0.351	1.478 1.244	3977 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 0-recommended-properties	useTypeSeqs2 -	TRUE -	FALSE -	126.8 125.5	4142.71 3798.47	0.8561 0.8556	0.7859 0.7772	0.8195 0.8146	815 806	137 136	222 231	0.020	8.326	1.232	0.951	1.085	0.951	0.364	1.233	3977 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 32-wordShape-chris3useLC	useClassFeature wordShape	TRUE chris2useLC	FALSE chris3useLC	125 124.1	3455.26 4248.93	0.8617 0.8488	0.7869 0.7743	0.8226 0.8099	816 803	131 143	221 234	0.020 0.020	6.944 8.540	1.240 1.221	0.952 0.937	1.089 1.073	0.952 0.937	0.348 0.380	1.228 1.300	3977 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 46-useEntityTypes-true	useLastRealWord useEntityTypes	FALSE FALSE	TRUE TRUE	123.3 122.5	4177.52 4204.02	0.8585 0.8622	0.7782 0.7782	0.8164 0.818	807 807	133 129	230 230	0.019 0.019	8.396 8.449	1.235 1.240	0.942 0.942	1.081 1.083	0.942 0.942	0.354 0.343	1.278 1.278	3977 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 71-includeFullCRFInLOP-true	useEntityRule includeFullCRFInLOP	FALSE FALSE	TRUE TRUE	121.9 121.7	4083.16 4199.58	0.8553 0.8556	0.7811 0.7772	0.8165 0.8146	810 806	137 136	227 231	0.019 0.019	8.206 8.440	1.230 1.231	0.945 0.940	1.081 1.079	0.945 0.940	0.364 0.362	1.261 1.283	3977 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 64-useTags-true	dehyphenateNGrams useTags	FALSE FALSE	TRUE TRUE	121.1 120.4	3925.96 4262.59	0.8596 0.8667	0.7792 0.7772	0.8174 0.8195	808 806	132 124	229 231	0.019 0.019	7.890 8.567	1.237 1.247	0.943 0.940	1.083 1.085	0.943 0.940	0.351 0.330	1.272 1.283	3977 3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801	0.8168	809	135	228 240	0.019	8.066	1.233	0.944	1.082 1.069	0.944	0.359	1.267	3977 3977		
24-wordShape-dan2useLC 26-wordShape-dan2bioUseLC	wordShape wordShape	chris2useLC chris2useLC	dan2useLC dan2bioUseLC	119.4 119.3	4313.45 4394.48	0.8497 0.8497	0.7686 0.7686	0.8071 0.8071	797 797	141 141	240	0.019 0.019	8.669 8.832	1.222 1.222	0.930 0.930	1.069	0.930 0.930	0.375 0.375	1.333 1.333	3977 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 31-wordShape-chris3	disjunctionWidth wordShape	4 chris2useLC	6 chris3	118.7 118.5	4327.53 4230.85	0.8484 0.8509	0.7715 0.7927	0.8081	800 822	143 144	237 215	0.019 0.019	8.698 8.503	1.221 1.224	0.934 0.959	1.070 1.087	0.933 0.959	0.380 0.383	1.317 1.194	3977 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 61-disjunctionWidth-1	applyNERPenalty disjunctionWidth	TRUE 4	FALSE 1	118.4 118.2	4235.36 4208.47	0.8556 0.8675	0.7772 0.7763		806 805	136 123	231 232	0.019 0.019	8.512 8.458	1.231 1.248	0.940 0.939	1.079 1.085	0.940 0.939	0.362 0.327	1.283 1.289	3977 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 45-useTitle-true	useKnownLCWords useTitle	TRUE FALSE	FALSE TRUE	118.2 118.1	4346.45 4173.14	0.8556 0.8556	0.7772 0.7772		806 806	136 136	231 231	0.019 0.019	8.736 8.387	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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 66-useTaggySequences-true	QNsize useTaggySequences	25 FALSE	50 TRUE	117.2 117.1	4160.04 4021.23	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.018 0.018	8.361 8.082	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 3977	2.8G	
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 65-useSymTags-true	useOccurrencePatterns useSymTags	FALSE FALSE	TRUE TRUE	116.9 116.6	4221.87 4091.56	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.018 0.018	8.485 8.223	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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 74-useHiddenLayer-false	useBoundarySequences useHiddenLayer	FALSE TRUE	TRUE FALSE	116.4 116.4	4244.4 4134.1	0.8556 0.8556	0.7772 0.7772		806 806	136 136	231 231	0.018 0.018	8.530 8.309	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 3977		
70-useViterbi-false	useViterbi	TRUE	FALSE	116.3	4322.83	0.8556	0.7772		806	136	231	0.018	8.688	1.231	0.940	1.079	0.940	0.362	1.283	3977		
60-disjunctionWidth-2 56-normalizeTimex-true	disjunctionWidth normalizeTimex	4 FALSE	2 TRUE	116.1 116.1	4258.03 4262.59	0.863 0.8556	0.7715 0.7772	0.8147 0.8146	800 806	127 136	237 231	0.018 0.018	8.558 8.567	1.242 1.231	0.934 0.940	1.079 1.079	0.933 0.940	0.338 0.362	1.317 1.283	3977 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 59-disjunctionWidth-3	normalize disjunctionWidth	FALSE 4	TRUE 3	116 115.8	4493.79 4217.39	0.8556 0.863	0.7772 0.7715		806 800	136 127	231 237	0.018 0.018	9.032 8.476	1.231 1.242	0.940 0.934	1.079 1.079	0.940 0.933	0.362 0.338	1.283 1.317	3977 3977		
14-useNext-false	useNext	TRUE	FALSE	115.6	4029.38	0.8611	0.7715	0.8202	812	131	225	0.018	8.098	1.242	0.947	1.079	0.933	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 33-wordShape-chris4	useNextRealWord wordShape	FALSE chris2useLC	TRUE chris4	113.2 113	4155.69 3914.37	0.8605 0.8559	0.7734 0.7792	0.8146 0.8157	802 808	130 136	235 229	0.018 0.018	8.352 7.867	1.238 1.231	0.936 0.943	1.079 1.080	0.936 0.943	0.346 0.362	1.306 1.272	3977 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 44-useObservedSequencesOnly-true	usePrevSequences useObservedSequencesOnly	TRUE FALSE	FALSE TRUE	65.2 65.1	4108.47 5418.26	0.8402 0.8586	0.7811 0.785	0.8096 0.8202	810 814	154 134	227 223	0.010 0.010	8.257 10.890	1.209 1.235	0.945 0.950	1.072 1.086	0.945 0.950	0.410 0.356	1.261 1.239	3977 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		
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

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	Train time (sec)	Classifier test Speed (words/sec)	<u>Precision</u>	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> <u>Positives</u>	<u>False</u> Negatives	Relative Train time (sec)	<u>Relative</u> <u>Classifier test</u> <u>Speed</u> (words/sec)	Relative Precision	<u>Relative</u> <u>Recall</u>	<u>Relative</u> <u>F1</u>	<u>Relative</u> <u>True</u> <u>Positives</u>	<u>Relative</u> <u>False</u> <u>Positives</u>	<u>Relative</u> <u>False</u> Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	Model Size
44-useObservedSequencesOnly-true	useObservedSequencesOnly	FALSE	TRUE	65.1	5418.26	0.8586	0.785 0.7878	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 8-maxNGramLeng-5	wordShape maxNGramLeng	chris2useLC 6	jenny1 5	137.8 116.1	4529.61 4498.87	0.8502 0.8541	0.7676	0.8178 0.8085	817 796	144 136	220 241	2.117 1.783	0.836 0.830	0.990 0.995	1.004 0.978	0.997 0.986	1.004 0.978	1.075 1.015	0.987 1.081	3977 3977		
55-normalize-true 73-useOutputLayer-false	normalize useOutputLayer	FALSE TRUE	TRUE FALSE	116 121.2	4493.79 4443.58	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	1.782 1.862	0.829 0.820	0.997 0.997	0.990 0.990	0.993 0.993	0.990 0.990	1.015 1.015	1.036 1.036	3977 3977		
85-Qnsize-10	QNsize	25	10	142	4443.56	0.8553	0.7772	0.8165	810	137	227	2.181	0.820	0.996	0.995	0.995	0.995	1.015	1.018	3977	2.1G	
62-useDisjunctiveShapeInteraction-true	useDisjunctiveShapeInteraction	FALSE	TRUE	149.7	4404.21 4394.48	0.8534	0.7522		780	134	257 240	2.300	0.813	0.994	0.958	0.975 0.984	0.958	1.000	1.152 1.076	3977 3977		
26-wordShape-dan2bioUseLC 21-wordShape-dan1	wordShape wordShape	chris2useLC chris2useLC	dan2bioUseLC dan1	119.3 161.1	4394.48	0.8497 0.8589	0.7686 0.7927	0.8071 0.8245	797 822	141 135	240 215	1.833 2.475	0.811 0.810	0.990 1.000	0.979 1.010	1.005	0.979 1.010	1.052 1.007	0.964	3977 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 92-cleanGazette-true	useKnownLCWords cleanGazette	TRUE FALSE	FALSE TRUE	118.2 114.9	4346.45 4341.7	0.8556 0.8627	0.7772 0.7753	0.8146 0.8167	806 804	136 128	231 233	1.816 1.765	0.802 0.801	0.997 1.005	0.990 0.988	0.993 0.996	0.990 0.988	1.015 0.955	1.036 1.045	3977 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 75-restrictLabels-false	disjunctionWidth restrictLabels	4 TRUE	6 FALSE	118.7 112.43	4327.53 4327.53	0.8484 0.8556	0.7715 0.7772	0.8081 0.8146	800 806	143 136	237 231	1.823 1.727	0.799 0.799	0.988 0.997	0.983 0.990	0.985 0.993	0.983 0.990	1.067 1.015	1.063 1.036	3977 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 20-useTypeySequences-false	wordShape useTypeySequences	chris2useLC TRUE	dan2useLC FALSE	119.4 125.2	4313.45 4299.46	0.8497 0.854	0.7686 0.7782	0.8071 0.8143	797 807	141 138	240 230	1.834 1.923	0.796 0.794	0.990 0.995	0.979 0.991	0.984 0.993	0.979 0.991	1.052 1.030	1.076 1.031	3977 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 25-wordShape-dan2bio	initWithNERPosterior wordShape	FALSE chris2useLC	TRUE dan2bio	117.6 138.8	4276.34 4271.75	0.8556 0.8502	0.7772 0.7878	0.8146 0.8178	806 817	136 144	231 220	1.806 2.132	0.789 0.788	0.997 0.990	0.990 1.004	0.993 0.997	0.990 1.004	1.015 1.075	1.036 0.987	3977 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 56-normalizeTimex-true	useTags normalizeTimex	FALSE FALSE	TRUE TRUE	120.4 116.1	4262.59 4262.59	0.8667 0.8556	0.7772 0.7772	0.8195 0.8146	806 806	124 136	231 231	1.849 1.783	0.787 0.787	1.009 0.997	0.990 0.990	0.999 0.993	0.990 0.990	0.925 1.015	1.036 1.036	3977 3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715		800	127	237	1.783	0.786	1.005	0.983	0.993	0.983	0.948	1.063	3977		
89-featureDiffThresh-0.05 32-wordShape-chris3useLC	featureDiffThresh	0 chris2useLC	0.05 chris3useLC	232.4 124.1	4248.93 4248.93	0.8571 0.8488	0.7811 0.7743	0.8174 0.8099	810 803	135 143	227 234	3.570 1.906	0.784 0.784	0.998 0.989	0.995 0.986	0.997 0.987	0.995 0.986	1.007 1.067	1.018 1.049	3977 3977		10.6M
63-useBoundarySequences-true	wordShape useBoundarySequences	FALSE	TRUE	124.1	4248.93 4244.4	0.8488	0.7772		806	136	234	1.788	0.784	0.989	0.986	0.987	0.986	1.015	1.049	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 36-applyNERPenalty-false	sigma applyNERPenalty	1 TRUE	2 FALSE	158.2 118.4	4235.36 4235.36	0.8494 0.8556	0.7666 0.7772	0.8059 0.8146	795 806	141 136	242 231	2.430 1.819	0.782 0.782	0.989 0.997	0.977 0.990	0.983 0.993	0.977 0.990	1.052 1.015	1.085 1.036	3977 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 15-useDisjunctive-false	useOccurrencePatterns useDisjunctive	FALSE TRUE	TRUE FALSE	116.9 137.23	4221.87 4217.39	0.8556 0.867	0.7772 0.7859	0.8146 0.8245	806 815	136 125	231 222	1.796 2.108	0.779 0.778	0.997 1.010	0.990 1.001	0.993 1.005	0.990 1.001	1.015 0.933	1.036 0.996	3977 3977		
59-disjunctionWidth-3	disjunctionWidth	4	3	115.8	4217.39	0.863	0.7715		800	127	237	1.779	0.778	1.005	0.983	0.993	0.983	0.948	1.063	3977		
78-sigma-20 86-Qnsize-5	sigma QNsize	1 25	20 5	630.6 165.1	4212.92 4212.92	0.823 0.8586	0.7175 0.785	0.7666 0.8202	744 814	160 134	293 223	9.687 2.536	0.778 0.778	0.959 1.000	0.914 1.000	0.935 1.000	0.914 1.000	1.194 1.000	1.314 1.000	3977 3977	2.0G	
81-sigma-3	sigma	1	3	253.8	4212.92	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	2.00	
61-disjunctionWidth-1	disjunctionWidth	4 FALSE	1 TRUE	118.2	4208.47 4204.02	0.8675	0.7763	0.8193	805	123	232	1.816	0.777 0.776	1.010	0.989 0.995	0.999 0.998	0.989	0.918	1.040 1.018	3977		
51-useNextSequences-true 46-useEntityTypes-true	useNextSequences useEntityTypes	FALSE	TRUE	146.9 122.5	4204.02	0.8599 0.8622	0.7811 0.7782	0.8186 0.818	810 807	132 129	227 230	2.257 1.882	0.776	1.002 1.004	0.995	0.998	0.995 0.991	0.985 0.963	1.018	3977 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 71-includeFullCRFInLOP-true	maxNGramLeng includeFullCRFInLOP	6 FALSE	2 TRUE	132.6 121.7	4199.58 4199.58	0.8247 0.8556	0.7213 0.7772	0.7695 0.8146	748 806	159 136	289 231	2.037 1.869	0.775 0.775	0.961 0.997	0.919 0.990	0.938 0.993	0.919 0.990	1.187 1.015	1.296 1.036	3977 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 52-useLastRealWord-true	maxNGramLeng useLastRealWord	6 FALSE	1 TRUE	138 123.3	4177.52 4177.52	0.8138 0.8585	0.6914 0.7782	0.7477 0.8164	717 807	164 133	320 230	2.120 1.894	0.771 0.771	0.948 1.000	0.881 0.991	0.912 0.995	0.881 0.991	1.224 0.993	1.435 1.031	3977 3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556	0.7772		806	136	231	1.814	0.770	0.997	0.990	0.993	0.990	1.015	1.036	3977		
68-use2W-true 84-Qnsize-50	use2W QNsize	FALSE 25	TRUE 50	130.8 117.2	4160.04 4160.04	0.8519 0.8556	0.7763 0.7772	0.8123	805 806	140 136	232 231	2.009 1.800	0.768 0.768	0.992 0.997	0.989 0.990	0.990 0.993	0.989 0.990	1.045 1.015	1.040 1.036	3977 3977	2.8G	
37-useWordPairs-true	useWordPairs	FALSE	TRUE	140.8	4155.69	0.8619	0.7763		805	129	232	2.163	0.767	1.004	0.989	0.996	0.989	0.963	1.040	3977	2.00	
53-useNextRealWord-true 19-useTypeSegs2-false	useNextRealWord useTypeSeqs2	FALSE TRUE	TRUE FALSE	113.2 126.8	4155.69 4142.71	0.8605 0.8561	0.7734 0.7859	0.8146 0.8195	802 815	130 137	235 222	1.739 1.948	0.767 0.765	1.002 0.997	0.985 1.001	0.993 0.999	0.985 1.001	0.970 1.022	1.054 0.996	3977 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 18-useTypeSegs-false	useHiddenLayer useTypeSeqs	TRUE TRUE	FALSE FALSE	116.4 118.9	4134.1 4121.24	0.8556 0.8597	0.7772 0.7859	0.8146 0.8212	806 815	136 133	231 222	1.788 1.826	0.763 0.761	0.997 1.001	0.990 1.001	0.993 1.001	0.990 1.001	1.015 0.993	1.036 0.996	3977 3977		
79-sigma-10	sigma	1	10	412.8	4112.72	0.8328	0.7348		762	153	275	6.341	0.759	0.970	0.936	0.952	0.936	1.142	1.233	3977		
17-usePrevSequences-false 23-wordShape-dan2	usePrevSequences wordShape	TRUE chris2useLC	FALSE dan2	65.2 143.2	4108.47 4100	0.8402 0.8502	0.7811 0.7878	0.8096 0.8178	810 817	154 144	227 220	1.002 2.200	0.758 0.757	0.979 0.990	0.995 1.004	0.987 0.997	0.995 1.004	1.149 1.075	1.018 0.987	3977 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	1.073	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-true 9-maxNGramLeng-4	useEntityRule maxNGramLeng	FALSE 6	TRUE 4	121.9 143	4083.16 4074.8	0.8553 0.843	0.7811 0.756	0.8165 0.7972	810 784	137 146	227 253	1.873 2.197	0.754 0.752	0.996 0.982	0.995 0.963	0.995 0.972	0.995 0.963	1.022 1.090	1.018 1.135	3977 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 14-useNext-false	useLongSequences useNext	FALSE TRUE	TRUE FALSE	116.9 115.5	4049.9 4029.38	0.8556 0.8611	0.7772 0.783	0.8146 0.8202	806 812	136 131	231 225	1.796 1.774	0.747 0.744	0.997 1.003	0.990 0.997	0.993 1.000	0.990 0.998	1.015 0.978	1.036 1.009	3977 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 22-wordShape-chris1	useReverse wordShape	FALSE chris2useLC	TRUE chris1	123.9 159.6	4017.17 4013.12	0.8547 0.8568	0.783 0.7907	0.8173 0.8225	812 820	138 137	225 217	1.903 2.452	0.741 0.741	0.995 0.998	0.997 1.007	0.996 1.003	0.998 1.007	1.030 1.022	1.009 0.973	3977 3977		
48-useOrdinal-true	useOrdinal	FALSE	TRUE	119.8	4013.12	0.857	0.7801		809	135	228	1.840	0.741	0.998	0.994	0.996	0.994	1.007	1.022	3977		
34-wordFunction-Lowercase AndAmericanizeFunction	wordFunction	null	LowercaseAnd AmericanizeFunction	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		808	135	229	2.101	0.735	0.998	0.993	0.995	0.993	1.007	1.027	3977		
72-backpropLopTraining-true 69-useLC-true	backpropLopTraining useLC	FALSE FALSE	TRUE TRUE	122 136.8	3969.06 3961.16	0.8556 0.8553			806 816	136 138	231 221	1.874 2.101	0.733 0.731	0.997 0.996	0.990 1.002	0.993 0.999	0.990 1.002	1.015 1.030	1.036 0.991	3977 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 41-lowercaseNGrams-true	useMoreNeighborNGrams lowercaseNGrams	FALSE FALSE	TRUE TRUE	141 142.5	3933.73 3929.84	0.8348 0.8662	0.7454 0.7927		773 822	153 127	264 215	2.166 2.189	0.726 0.725	0.972 1.009	0.950 1.010	0.960 1.009	0.950 1.010	1.142 0.948	1.184 0.964	3977 3977		
42-dehyphenateNGrams-true	dehyphenateNGrams	FALSE	TRUE	121.1	3925.96	0.8596	0.7792		808	132	229	1.860	0.725	1.003	0.993	0.997	0.993	0.945	1.027	3977		
40-conjoinShapeNGrams-true	conjoinShapeNGrams	FALSE	TRUE	127.3	3914.37	0.8475	0.7878		817	147	220	1.955	0.722	0.987	1.004	0.996	1.004	1.097	0.987	3977		
33-wordShape-chris4 3-useWord-false	wordShape useWord	chris2useLC TRUE	chris4 FALSE	113 137.9	3914.37 3899.02	0.8559 0.8614	0.7792 0.7734	0.8157 0.815	808 802	136 129	229 235	1.736 2.118	0.722 0.720	0.997 1.003	0.993 0.985	0.995 0.994	0.993 0.985	1.015 0.963	1.027 1.054	3977 3977		
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763		805	135	232	3.217	0.706	0.997	0.989	0.993	0.989	1.007	1.040	3977		
4-useNGrams-false 0-recommended-properties	useNGrams -	TRUE -	FALSE -	148.9 125.5	3827.72 3798.47	0.8138 0.8556	0.6914 0.7772		717 806	164 136	320 231	2.287	0.706 -	0.948	0.881	0.912	0.881	1.224	1.435	3977 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 5-noMidNGrams	sigma noMidNGrams	1 TRUE	30 FALSE	758.13 136.2	3748.35 3658.69	0.8145 0.8549	0.7155 0.7956		742 825	169 140	295 212	11.646 2.092	0.692 0.675	0.949 0.996	0.911 1.014	0.929 1.005	0.912 1.014	1.261 1.045	1.323 0.951	3977 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 90-featureDiffThresh-0.025	useSequences featureDiffThresh	TRUE 0	FALSE 0.025	64.8 221.2	3225.47 3010.6	0.8402 0.8582	0.7811 0.7821	0.8096 0.8184	810 811	154 134	227 226	0.995 3.398	0.595 0.556	0.979 1.000	0.995 0.996	0.987 0.998	0.995 0.996	1.149 1.000	1.018 1.013	3977 3977		12.6M
83-inferenceType-Beam	inferenceType	Viterbi	0.025 Beam	118.2	2185.16	0.8582	0.7821		811	134	230	3.398 1.816	0.556	0.997	0.996	0.998	0.996	1.000	1.013	3977		12.UIVI
93-optimal-configuration	move of	-	- 2	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 76-useBagOfWords-true	maxLeft useBagOfWords	FALSE	TRUE	1192.2 6362.6	728.39 497.56	0.8573 0.6951	0.7763 0.8264	0.8148 0.7551	805 857	134 376	232 180	18.313 97.736	0.134 0.092	0.998 0.810	0.989 1.053	0.993 0.921	0.989 1.053	1.000 2.806	1.040 0.807	3977 3977		

ordered-by-f1

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended Value	<u>Test</u> <u>Value</u>	<u>Train time</u> (sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u>	<u>F1</u>	<u>True</u> <u>Positives</u>	<u>False</u> <u>Positives</u>	<u>False</u> <u>Negatives</u>	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	<u>Relative</u> <u>Precision</u>	<u>Relative</u> <u>Recall</u>	<u>Relative</u> <u>F1</u>	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	<u>Model</u> <u>Size</u>
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 wordShape	FALSE chris2useLC	TRUE chris2	142.5 130	3929.84 4332.24	0.8662 0.858	0.7927 0.7985	0.8278 0.8272	822 828	127 137	215 209	0.808 0.737	0.858 0.946	1.008 0.999	0.949 0.956	0.977 0.977	0.949 0.956	0.894 0.965	1.257 1.222	3977 3977		
29-wordShape-chris2 21-wordShape-dan1	wordShape	chris2useLC	dan1	161.1	4389.62	0.8589	0.7983	0.8272	822	135	215	0.737	0.958	1.000	0.949	0.974	0.930	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 34-wordFunction-Lowercase	noMidNGrams	TRUE	FALSE LowercaseAnd	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		
AndAmericanizeFunction	wordFunction	null	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		
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 18-useTypeSegs-false	wordShape useTypeSeqs	chris2useLC TRUE	chris1 FALSE	159.6 118.9	4013.12 4121.24	0.8568 0.8597	0.7907 0.7859	0.8225 0.8212	820 815	137 133	217 222	0.905 0.674	0.876 0.899	0.997 1.001	0.947 0.941	0.971 0.970	0.947 0.941	0.965 0.937	1.269 1.298	3977 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 25	7 5	128.6 165.1	4058.16 4212.92	0.8603 0.8586	0.784 0.785	0.8204 0.8202	813	132 134	224 223	0.729 0.936	0.886 0.919	1.001 0.999	0.939 0.940	0.969 0.968	0.939 0.940	0.930 0.944	1.310 1.304	3977 3977	2.0G	
86-Qnsize-5 14-useNext-false	QNsize useNext	TRUE	FALSE	115.5	4029.38	0.8611	0.783	0.8202	814 812	134	225	0.936	0.919	1.002	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		
58-disjunctionWidth-5 6-maxNGramLeng-8	disjunctionWidth maxNGramLeng	4 6	5 8	134.8 141.2	4134.1 4262.59	0.8643 0.8594	0.7801 0.784	0.8201 0.82	809 813	127 133	228 224	0.764 0.800	0.902 0.930	1.006 1.000	0.934 0.939	0.968 0.968	0.934 0.939	0.894 0.937	1.333 1.310	3977 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	0.939	0.968	0.939	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 49-useEntityTypeSequences-true	useTags useEntityTypeSequences	FALSE FALSE	TRUE TRUE	120.4 142.3	4262.59 4239.87	0.8667 0.8617	0.7772 0.7811	0.8195 0.8194	806 810	124 130	231 227	0.683 0.807	0.930 0.925	1.009 1.003	0.931 0.935	0.968 0.968	0.931 0.935	0.873 0.915	1.351 1.327	3977 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 46-useEntityTypes-true	featureDiffThresh useEntityTypes	0 FALSE	0.025 TRUE	221.2 122.5	3010.6 4204.02	0.8582 0.8622	0.7821 0.7782	0.8184 0.818	811 807	134 129	226 230	1.254 0.694	0.657 0.918	0.999 1.004	0.937 0.932	0.966 0.966	0.936 0.932	0.944 0.908	1.322 1.345	3977 3977		12.6M
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 89-featureDiffThresh-0.05	wordShape featureDiffThresh	chris2useLC 0	jenny1 0.05	137.8 232.4	4529.61 4248.93	0.8502 0.8571	0.7878 0.7811	0.8178 0.8174	817 810	144 135	220 227	0.781 1.317	0.989 0.927	0.990 0.998	0.943 0.935	0.966 0.965	0.943 0.935	1.014 0.951	1.287 1.327	3977 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		10.01
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 48-useOrdinal-true	useWordPairs useOrdinal	FALSE FALSE	TRUE TRUE	140.8 119.8	4155.69 4013.12	0.8619 0.857	0.7763 0.7801	0.8168 0.8168	805 809	129 135	232 228	0.798 0.679	0.907 0.876	1.003 0.998	0.930 0.934	0.964 0.964	0.930 0.934	0.908 0.951	1.357 1.333	3977 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 85-Qnsize-10	conjoinShapeNGrams QNsize	FALSE 25	TRUE 10	127.3 142	3914.37 4438.62	0.8475 0.8553	0.7878 0.7811	0.8166 0.8165	817 810	147 137	220 227	0.722 0.805	0.854 0.969	0.986 0.996	0.943 0.935	0.964 0.964	0.943 0.935	1.035 0.965	1.287 1.327	3977 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	2.20	
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 33-wordShape-chris4	sloppyGazette wordShape	FALSE chris2useLC	TRUE chris4	136.8 113	3980.98 3914.37	0.8568 0.8559	0.7792	0.8162 0.8157	808 808	135 136	229 229	0.776 0.641	0.869 0.854	0.997 0.996	0.933 0.933	0.964 0.963	0.933 0.933	0.951 0.958	1.339 1.339	3977 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	0.7772	0.815	806	135	231	1.164	0.913	0.997	0.931	0.962	0.931	0.951	1.351	3977		7.6M
3-useWord-false 1-maxLeft-2	useWord maxLeft	TRUE 1	FALSE 2	137.9 1192.2	3899.02 728.39	0.8614 0.8573	0.7734	0.815 0.8148	802 805	129 134	235 232	0.782 6.759	0.851 0.159	1.003 0.998	0.926 0.930	0.962 0.962	0.926 0.930	0.908 0.944	1.374 1.357	3977 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	115.8 125.5	4217.39	0.863	0.7715		800	127	237	0.656	0.920	1.005	0.924	0.962	0.924	0.894	1.386	3977	2.70	16.5M
0-recommended-properties 72-backpropLopTraining-true	- backpropLopTraining	- FALSE	TRUE	125.5	3798.47 3969.06	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.692	0.866	0.996	0.931	0.962	0.931	0.958	1.351	3977 3977	2.7G	IVIC.OL
71-includeFullCRFInLOP-true	includeFullCRFInLOP	FALSE	TRUE	121.7	4199.58	0.8556		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 36-applyNERPenalty-false	useOutputLayer applyNERPenalty	TRUE TRUE	FALSE FALSE	121.2 118.4	4443.58 4235.36	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.687 0.671	0.970 0.924	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977		
43-useKnownLCWords-false	useKnownLCWords	TRUE	FALSE	118.2	4346.45	0.8556		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 84-Qnsize-50	initWithNERPosterior QNsize	FALSE 25	TRUE 50	117.6 117.2	4276.34 4160.04	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.667 0.664	0.933 0.908	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 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	2.00	
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 65-useSymTags-true	useOccurrencePatterns useSymTags	FALSE FALSE	TRUE TRUE	116.9 116.6	4221.87 4091.56	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.663 0.661	0.921 0.893	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556		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 FALSE	116.4 116.4	4244.4 4134.1	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.660 0.660	0.926 0.902	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977		
74-useHiddenLayer-false 70-useViterbi-false	useHiddenLayer useViterbi	TRUE TRUE	FALSE	116.4	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		0.8146	806	136	231	0.658	0.930	0.996	0.931	0.962	0.931	0.958	1.351	3977		
55-normalize-true 53-useNextRealWord-true	normalize useNextRealWord	FALSE FALSE	TRUE TRUE	116 113.2	4493.79 4155.69	0.8556 0.8605	0.7772	0.8146 0.8146	806 802	136 130	231 235	0.658 0.642	0.981 0.907	0.996 1.002	0.931 0.926	0.962 0.962	0.931 0.926	0.958 0.915	1.351 1.374	3977 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 68-use2W-true	useTypeySequences use2W	TRUE FALSE	FALSE TRUE	125.2 130.8	4299.46 4160.04	0.854 0.8519	0.7782 0.7763	0.8143 0.8123	807 805	138 140	230 232	0.710 0.741	0.938 0.908	0.994 0.992	0.932 0.930	0.962 0.959	0.932 0.930	0.972 0.986	1.345 1.357	3977 3977		
32-wordShape-chris3useLC	wordShape	chris2useLC	chris3useLC	124.1	4248.93	0.8488		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 8-maxNGramLeng-5	useSequences maxNGramLeng	TRUE 6	FALSE 5	64.8 116.1	3225.47 4498.87	0.8402 0.8541	0.7811 0.7676	0.8096 0.8085	810 796	154 136	227 241	0.367 0.658	0.704 0.982	0.978 0.994	0.935 0.919	0.956 0.955	0.935 0.919	1.085 0.958	1.327 1.409	3977 3977		
57-disjunctionWidth-6	disjunctionWidth	4	6	118.7	4327.53	0.8484	0.7715		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 28-wordShape-jenny1useLC	wordShape wordShape	chris2useLC chris2useLC	dan2bioUseLC jenny1useLC	119.3 118.5	4394.48 4095.78	0.8497 0.8497	0.7686 0.7686	0.8071 0.8071	797 797	141 141	240 240	0.676 0.672	0.959 0.894	0.989 0.989	0.920 0.920	0.953 0.953	0.920 0.920	0.993 0.993	1.404 1.404	3977 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		
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 62-useDisjunctiveShapeInteraction-true	sigma useDisjunctiveShapeInteraction	1 FALSE	3 TRUE	253.8 149.7	4208.47 4404.21	0.8379 0.8534	0.7724 0.7522	0.8038 0.7996	801 780	155 134	236 257	1.439 0.849	0.919 0.961	0.975 0.993	0.925 0.901	0.949 0.944	0.925 0.901	1.092 0.944	1.380 1.503	3977 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 mayNGraml eng	1 6	5 3	334.9 128.9	3751.89 4370.33	0.8358 0.839	0.7608 0.7435	0.7966	789 771	155 148	248 266	1.899 0.731	0.819 0.954	0.973 0.977	0.911 0.890	0.941 0.931	0.911 0.890	1.092 1.042	1.450 1.556	3977 3977		
10-maxNGramLeng-3 39-useMoreNeighborNGrams-true	maxNGramLeng useMoreNeighborNGrams	FALSE	TRUE	128.9 141	4370.33 3933.73	0.839	0.7435	0.7883 0.7876	771 773	148 153	266 264	0.731	0.954	0.977	0.890	0.931	0.890	1.042	1.556	3977 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 78-sigma-20	maxNGramLeng sigma	6 1	2 20	132.6 630.6	4199.58 4212.92	0.8247 0.823	0.7213 0.7175	0.7695 0.7666	748 744	159 160	289 293	0.752 3.575	0.917 0.919	0.960 0.958	0.864 0.859	0.909 0.905	0.864 0.859	1.120 1.127	1.690 1.713	3977 3977		
76-sigma-20 77-sigma-30	sigma sigma	1	30	758.13	3748.35	0.8145	0.7175	0.7618	744	169	295	4.298	0.919	0.958	0.857	0.905	0.857	1.127	1.715	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 12-maxNGramLeng-1	useNGrams maxNGramLeng	TRUE 6	FALSE 1	148.9 138	3827.72 4177.52	0.8138 0.8138		0.7477 0.7477	717 717	164 164	320 320	0.844 0.782	0.835 0.912	0.947 0.947	0.828 0.828	0.883 0.883	0.828 0.828	1.155 1.155	1.871 1.871	3977 3977		
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ordered-by-precision

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	Train time (sec)	Classifier test Speed (words/sec)	<u>Precision</u>	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> Positives	<u>False</u> Negatives	<u>Relative</u> <u>Train time</u> (sec)	<u>Relative</u> <u>Classifier test</u> <u>Speed</u> (words/sec)	Relative Precision	<u>Relative</u> <u>Recall</u>	Relative <u>F1</u>	<u>Relative</u> <u>True</u> <u>Positives</u>	<u>Relative</u> <u>False</u> <u>Positives</u>	<u>Relative</u> <u>False</u> <u>Negatives</u>	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	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 41-lowercaseNGrams-true	useTags lowercaseNGrams	FALSE FALSE	TRUE TRUE	120.4 142.5	4262.59 3929.84	0.8667 0.8662	0.7772 0.7927	0.8195 0.8278	806 822	124 127	231 215	1.019 1.206	1.013 0.934	0.999 0.999	1.001 1.021	1.000 1.010	1.001 1.021	1.008 1.033	0.996 0.927	3977 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 2	134.8 116.1	4134.1 4258.03	0.8643 0.863	0.7801	0.8201	809 800	127 127	228 237	1.140 0.982	0.982 1.012	0.996	1.005 0.994	1.001 0.994	1.005 0.994	1.033 1.033	0.983 1.022	3977 3977		
60-disjunctionWidth-2 59-disjunctionWidth-3	disjunctionWidth disjunctionWidth	4	3	115.1	4217.39	0.863	0.7715 0.7715		800	127	237	0.982	1.002	0.995 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	804 807	128	233	0.972	1.032	0.994	0.999	0.997	0.999	1.041	1.004	3977		
46-useEntityTypes-true 37-useWordPairs-true	useEntityTypes useWordPairs	FALSE FALSE	TRUE TRUE	122.5 140.8	4204.02 4155.69	0.8622 0.8619	0.7782 0.7763	0.818 0.8168	80 <i>7</i> 805	129 129	230 232	1.036 1.191	0.999 0.987	0.994 0.994	1.002 1.000	0.998 0.997	1.002 1.000	1.049 1.049	0.991 1.000	3977 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 14-useNext-false	useWord useNext	TRUE TRUE	FALSE FALSE	137.9 115.5	3899.02 4029.38	0.8614 0.8611	0.7734 0.783	0.815 0.8202	802 812	129 131	235 225	1.167 0.977	0.926 0.957	0.993 0.993	0.996 1.009	0.995 1.001	0.996 1.009	1.049 1.065	1.013 0.970	3977 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 18-useTypeSeqs-false	useNextSequences useTypeSeqs	FALSE TRUE	TRUE FALSE	146.9 118.9	4204.02 4121.24	0.8599 0.8597	0.7811 0.7859	0.8186 0.8212	810 815	132 133	227 222	1.243 1.006	0.999 0.979	0.991 0.991	1.006 1.012	0.999 1.002	1.006 1.012	1.073 1.081	0.978 0.957	3977 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 86-Qnsize-5	wordShape QNsize	chris2useLC 25	dan1 5	161.1 165.1	4389.62 4212.92	0.8589 0.8586	0.7927 0.785	0.8245 0.8202	822 814	135 134	215 223	1.363 1.397	1.043 1.001	0.990 0.990	1.021 1.011	1.006 1.001	1.021 1.011	1.098 1.089	0.927 0.961	3977 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	2.00	
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 29-wordShape-chris2	featureDiffThresh wordShape	0 chris2useLC	0.025 chris2	221.2 130	3010.6 4332.24	0.8582 0.858	0.7821 0.7985	0.8184 0.8272	811 828	134 137	226 209	1.871 1.100	0.715 1.029	0.989 0.989	1.007 1.029	0.999 1.010	1.007 1.029	1.089 1.114	0.974 0.901	3977 3977		12.6M
1-maxLeft-2	maxLeft	1	2	1192.2	728.39	0.8573	0.7963	0.8272	805	134	232	10.086	0.173	0.988	1.029	0.995	1.029	1.114	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 22-wordShape-chris1	useOrdinal wordShape	FALSE chris2useLC	TRUE chris1	119.8 159.6	4013.12 4013.12	0.857 0.8568	0.7801 0.7907	0.8168 0.8225	809 820	135 137	228 217	1.014 1.350	0.954 0.954	0.988 0.988	1.005 1.019	0.997 1.004	1.005 1.019	1.098 1.114	0.983 0.935	3977 3977		
91-sloppyGazette-true	sloppyGazette	FALSE	TRUE	136.8	3980.98	0.8568	0.7792	0.8223	808	135	229	1.157	0.946	0.988	1.019	0.996	1.019	1.098	0.933	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	135 137	232 222	1.772	0.910 0.984	0.987	1.000	0.994	1.000 1.012	1.098	1.000 0.957	3977 3977		
19-useTypeSeqs2-false 33-wordShape-chris4	useTypeSeqs2 wordShape	TRUE chris2useLC	FALSE chris4	126.8 113	4142.71 3914.37	0.8561 0.8559	0.7859 0.7792	0.8195 0.8157	815 808	137	222	1.073 0.956	0.930	0.987 0.987	1.012 1.004	1.000 0.996	1.012	1.114 1.106	0.957	3977 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	-	-	- TDUE	125.5	3798.47	0.8556	0.7772	0.8146	806	136	231	-	-	- 0.000	-	-	-	- 1 100	-	3977	2.7G	16.5M
72-backpropLopTraining-true 71-includeFullCRFInLOP-true	backpropLopTraining includeFullCRFInLOP	FALSE FALSE	TRUE TRUE	122 121.7	3969.06 4199.58	0.8556 0.8556	0.7772 0.7772		806 806	136 136	231 231	1.032 1.030	0.943 0.998	0.986 0.986	1.001 1.001	0.994 0.994	1.001 1.001	1.106 1.106	0.996 0.996	3977 3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.2	4443.58	0.8556	0.7772		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 45-useTitle-true	useKnownLCWords useTitle	TRUE FALSE	FALSE TRUE	118.2 118.1	4346.45 4173.14	0.8556 0.8556	0.7772 0.7772		806 806	136 136	231 231	1.000 0.999	1.033 0.992	0.986 0.986	1.001 1.001	0.994 0.994	1.001 1.001	1.106 1.106	0.996 0.996	3977 3977		
35-initWithNERPosterior-true	initWithNERPosterior	FALSE	TRUE	117.6	4276.34	0.8556	0.7772		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		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 50-useLongSequences-true	useTaggySequences useLongSequences	FALSE FALSE	TRUE TRUE	117.1 116.9	4021.23 4049.9	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.991 0.989	0.956 0.962	0.986 0.986	1.001 1.001	0.994 0.994	1.001 1.001	1.106 1.106	0.996 0.996	3977 3977		
67-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772		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		806	136	231	0.986	0.972	0.986	1.001	0.994	1.001	1.106	0.996	3977		
30-wordShape-chris2useLC 63-useBoundarySequences-true	wordShape useBoundarySequences	chris2useLC FALSE	chris2useLC TRUE	116.4 116.4	4204.02 4244.4	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.985 0.985	0.999 1.009	0.986 0.986	1.001 1.001	0.994 0.994	1.001 1.001	1.106 1.106	0.996 0.996	3977 3977		
74-useHiddenLayer-false	useHiddenLayer	TRUE	FALSE	116.4	4134.1	0.8556	0.7772		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		806	136	231	0.984	1.027	0.986	1.001	0.994	1.001	1.106	0.996	3977		
56-normalizeTimex-true 55-normalize-true	normalizeTimex normalize	FALSE FALSE	TRUE TRUE	116.1 116	4262.59 4493.79	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.982 0.981	1.013 1.068	0.986 0.986	1.001 1.001	0.994 0.994	1.001 1.001	1.106 1.106	0.996 0.996	3977 3977		
75-restrictLabels-false	restrictLabels	TRUE	FALSE	112.43	4327.53	0.8556	0.7772		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			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 47-useEntityRule-true	useLC useEntityRule	FALSE FALSE	TRUE TRUE	136.8 121.9	3961.16 4083.16	0.8553 0.8553	0.7869 0.7811	0.8197 0.8165	816 810	138 137	221 227	1.157 1.031	0.941 0.970	0.986 0.986	1.014 1.006	1.000 0.997	1.014 1.006	1.122 1.114	0.953 0.978	3977 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 20-useTypeySequences-false	maxNGramLeng useTypeySequences	6 TRUE	5 FALSE	116.1 125.2	4498.87 4299.46	0.8541 0.854	0.7676 0.7782	0.8085 0.8143	796 807	136 138	241 230	0.982 1.059	1.069 1.022	0.985 0.984	0.989 1.002	0.987 0.994	0.989 1.002	1.106 1.122	1.039 0.991	3977 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 34-wordFunction-Lowercase	use2W	FALSE	TRUE	130.8	4160.04	0.8519		0.8123	805	140	232	1.107	0.988	0.982	1.000	0.991	1.000	1.138	1.000	3977		
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		0.8208	822	144	215	1.003	1.005	0.981	1.021	1.002	1.021	1.171	0.927	3977		
23-wordShape-dan2 25-wordShape-dan2bio	wordShape wordShape	chris2useLC chris2useLC	dan2 dan2bio	143.2 138.8	4100 4271.75	0.8502 0.8502	0.7878 0.7878	0.8178 0.8178	817 817	144 144	220 220	1.212 1.174	0.974 1.015	0.980 0.980	1.015 1.015	0.998 0.998	1.015 1.015	1.171 1.171	0.948 0.948	3977 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 28-wordShape-jenny1useLC	wordShape wordShape	chris2useLC chris2useLC	dan2bioUseLC jenny1useLC	119.3 118.5	4394.48 4095.78	0.8497 0.8497	0.7686 0.7686	0.8071 0.8071	797 797	141 141	240 240	1.009 1.003	1.044 0.973	0.979 0.979	0.990 0.990	0.985 0.985	0.990 0.990	1.146 1.146	1.034 1.034	3977 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 40-conjoinShapeNGrams-true	disjunctionWidth	4 FALSE	6 TRUE	118.7 127.3	4327.53 3914.37	0.8484 0.8475	0.7715 0.7878	0.8081 0.8166	800 817	143 147	237 220	1.004 1.077	1.028 0.930	0.978 0.977	0.994 1.015	0.986 0.997	0.994 1.015	1.163 1.195	1.022 0.948	3977 3977		
9-maxNGramLeng-4	conjoinShapeNGrams maxNGramLeng	6	4	143	4074.8	0.843	0.756	0.7972	784	147	253	1.210	0.968	0.972	0.974	0.973	0.974	1.195	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 10-maxNGramLeng-3	useSequences maxNGramLeng	TRUE 6	FALSE 3	64.8 128.9	3225.47 4370.33	0.8402 0.839	0.7811 0.7435		810 771	154 148	227 266	0.548 1.091	0.766 1.038	0.969 0.967	1.006 0.958	0.988 0.962	1.006 0.958	1.252 1.203	0.978 1.147	3977 3977		
81-sigma-3	sigma	1	3	253.8	4370.33 4208.47	0.839	0.7435	0.8038	801	148 155	236	2.147	1.038	0.967	0.958	0.962	0.958	1.203	1.147	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 79-sigma-10	useMoreNeighborNGrams sigma	FALSE 1	TRUE 10	141 412.8	3933.73 4112.72	0.8348 0.8328	0.7454 0.7348	0.7876 0.7807	773 762	153 153	264 275	1.193 3.492	0.935 0.977	0.962 0.960	0.960 0.947	0.961 0.953	0.960 0.947	1.244 1.244	1.138 1.185	3977 3977		
13-usePrev-false	usePrev	TRUE	FALSE	412.8 65.1	3961.16	0.8328	0.7348	0.7807	807	162	275	0.551	0.977	0.960	1.002	0.953	1.002	1.244	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 1	20 30	630.6 758.13	4212.92 3748.35	0.823 0.8145	0.7175	0.7666 0.7618	744 742	160 169	293 295	5.335 6.414	1.001 0.891	0.949 0.939	0.924 0.922	0.936 0.930	0.924 0.922	1.301 1.374	1.263 1.272	3977 3977		
77-sigma-30 4-useNGrams-false	sigma useNGrams	TRUE	FALSE	758.13 148.9	3748.35	0.8145	0.7155 0.6914		742 717	164	320	1.260	0.891	0.939	0.922	0.930	0.922	1.374	1.272	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		

ordered-by-recall

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 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 0.890 0.990 0.890 2.648 1.053 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 3977
	3977
	2077
24 wordEunction Lowercase	3977
AndAmericanizeFunction Word-unction full AmericanizeFunction 138.3 3980.98 0.891 0.795 0.8231 826 144 211 0.764 0.869 0.991 0.994 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 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 3977
21-world-single-tunit world-single tills218et.C utili 101.1 4369.02 0.6969 0.7927 0.8249 022 139 2.15 0.915 0.905 1.000 0.949 0.974 0.949 0.991 1.257 41-lowercaseNGrams-true lowercaseNGrams FALSE TRUE 142.5 392.9.84 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 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 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 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 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 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 3977
18-useTypeSeqs-false useTypeSeqs TRUE FALSE 118.9 412.1.2 0.8597 0.7859 0.8212 81.5 133 222 0.674 0.899 1.001 0.941 0.907 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 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 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 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 3977
14-UserverAriable UserverAriable Use	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 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 3977
85-Qnsize-10 QNsize 25 10 142 4438.62 0.8553 0.7811 0.8165 810 137 227 0.805 0.969 0.995 0.995 0.995 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 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 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 0.994 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 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 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 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 3977
92-user-asire-inityTypes-true useEntityTypes FALSE TRUE 12.5 420.02 0.8622 0.7782 0.818 807 129 230 0.694 0.918 1.099 0.932 0.904 0.932 0.906 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 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 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-backpropt/popTraining-true backpropt_opTraining 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 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 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 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 3977
45-userTitle-true userTitle FALSE TRUE 118.1 4173.14 0.8556 0.7772 0.8146 806 136 231 0.670 0.911 0.996 0.931 0.952 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 0.968 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 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 2.8G 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 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 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 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 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 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 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 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 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 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 ctrue 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 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 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 0.926 0.926 0.915 1.374 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 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 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 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 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 0.7676 0.8085 796 136 241 0.658 0.982 0.994 0.919 0.955 0.919 0.958 1.409 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 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 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 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 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 0.900 0.893 1.077 1.544	3977 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 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 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 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 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 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 3977

ordered-by-true-positives

<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	Train time (sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> <u>Positives</u>	<u>False</u> <u>Negatives</u>	<u>Relative</u> <u>Train time</u> (sec)	<u>Relative</u> <u>Classifier test</u> <u>Speed</u> (words/sec)	Relative Precision	Relative Recall	Relative <u>F1</u>	<u>Relative</u> <u>True</u> Positives	<u>Relative</u> <u>False</u> Positives	<u>Relative</u> <u>False</u> Negatives	Classifier test N° of tagged Words		<u>//odel</u> 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 29-wordShape-chris2	useBagOfWords wordShape	FALSE chris2useLC	TRUE chris2	6362.6 130	497.56 4332.24	0.6951 0.858	0.8264 0.7985	0.7551 0.8272	857 828	376 137	180 209	36.069 0.737	0.109 0.946	0.809 0.999	0.990 0.956	0.892 0.977	0.990 0.956	2.648 0.965	1.053 1.222	3977 3977		
34-wordFunction-Lowercase	wordFunction	null	LowercaseAnd	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		
AndAmericanizeFunction 5-noMidNGrams		TRUE	AmericanizeFunction		3658.69	0.8549	0.7956	0.8242	825	140	212	0.784	0.799		0.953	0.972	0.953	0.986	1.240	3977		
21-wordShape-dan1	noMidNGrams wordShape	chris2useLC	FALSE dan1	136.2 161.1	4389.62	0.8589	0.7956	0.8242	822	135	212	0.772	0.799	0.995 1.000	0.953	0.973	0.953	0.951	1.240	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 22-wordShape-chris1	wordShape wordShape	chris2useLC chris2useLC	chris3 chris1	118.5 159.6	4230.85 4013.12	0.8509 0.8568	0.7927 0.7907	0.8208 0.8225	822 820	144 137	215 217	0.672 0.905	0.923 0.876	0.990 0.997	0.949 0.947	0.969 0.971	0.949 0.947	1.014 0.965	1.257 1.269	3977 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 40-conjoinShapeNGrams-true	wordShape conjoinShapeNGrams	chris2useLC FALSE	jenny1 TRUE	137.8 127.3	4529.61 3914.37	0.8502 0.8475	0.7878 0.7878	0.8178 0.8166	817 817	144 147	220 220	0.781 0.722	0.989 0.854	0.990 0.986	0.943 0.943	0.966 0.964	0.943 0.943	1.014 1.035	1.287 1.287	3977 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 15-useDisjunctive-false	useClassFeature useDisjunctive	TRUE TRUE	FALSE FALSE	125 137.23	3455.26 4217.39	0.8617 0.867	0.7869 0.7859	0.8226 0.8245	816 815	131 125	221 222	0.709 0.778	0.754 0.920	1.003 1.009	0.942 0.941	0.971 0.974	0.942 0.941	0.923 0.880	1.292 1.298	3977 3977		
19-useTypeSeqs2-false	useTypeSeqs2	TRUE	FALSE	126.8	4142.71	0.8561	0.7859	0.8245	815	137	222	0.778	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 44-useObservedSequencesOnly-true	QNsize useObservedSequencesOnly	25 FALSE	5 TRUE	165.1 65.1	4212.92 5418.26	0.8586 0.8586	0.785 0.785	0.8202 0.8202	814 814	134 134	223 223	0.936 0.369	0.919 1.183	0.999 0.999	0.940 0.940	0.968 0.968	0.940 0.940	0.944 0.944	1.304 1.304	3977 3977	2.0G	
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 14-useNext-false	useReverse useNext	FALSE TRUE	TRUE FALSE	123.9 115.5	4017.17 4029.38	0.8547 0.8611	0.783 0.783	0.8173 0.8202	812 812	138 131	225 225	0.702 0.655	0.877 0.879	0.995 1.002	0.938 0.938	0.965 0.968	0.938 0.938	0.972 0.923	1.316 1.316	3977 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		2.6M
89-featureDiffThresh-0.05	featureDiffThresh	0 FALSE	0.05 TRUE	232.4 146.9	4248.93 4204.02	0.8571 0.8599	0.7811	0.8174	810 810	135 132	227 227	1.317 0.833	0.927 0.918	0.998	0.935 0.935	0.965 0.967	0.935 0.935	0.951 0.930	1.327 1.327	3977 3977	10	.0.6M
51-useNextSequences-true 49-useEntityTypeSequences-true	useNextSequences useEntityTypeSequences	FALSE	TRUE	140.9	4239.87	0.8599	0.7811 0.7811	0.8186 0.8194	810	130	227	0.807	0.925	1.001 1.003	0.935	0.968	0.935	0.930	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 17-usePrevSequences-false	useEntityRule	FALSE TRUE	TRUE FALSE	121.9 65.2	4083.16 4108.47	0.8553 0.8402	0.7811 0.7811	0.8165 0.8096	810 810	137 154	227 227	0.691 0.370	0.891 0.897	0.996 0.978	0.935 0.935	0.964 0.956	0.935 0.935	0.965 1.085	1.327 1.327	3977 3977		
16-useSequences-false	usePrevSequences 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 91-sloppyGazette-true	useOrdinal sloppyGazette	FALSE FALSE	TRUE TRUE	119.8 136.8	4013.12 3980.98	0.857 0.8568	0.7801 0.7792	0.8168 0.8162	809 808	135 135	228 229	0.679 0.776	0.876 0.869	0.998 0.997	0.934 0.933	0.964 0.964	0.934 0.933	0.951 0.951	1.333 1.339	3977 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 52-useLastRealWord-true	useTypeySequences useLastRealWord	TRUE FALSE	FALSE TRUE	125.2 123.3	4299.46 4177.52	0.854 0.8585	0.7782 0.7782	0.8143 0.8164	807 807	138 133	230 230	0.710 0.699	0.938 0.912	0.994 0.999	0.932 0.932	0.962 0.964	0.932 0.932	0.972 0.937	1.345 1.345	3977 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 13-usePrev-false	inferenceType usePrev	Viterbi TRUE	Beam FALSE	118.2 65.1	2185.16 3961.16	0.8558 0.8328	0.7782 0.7782	0.8152 0.8046	807 807	136 162	230 230	0.670 0.369	0.477 0.865	0.996 0.969	0.932 0.932	0.963 0.950	0.932 0.932	0.958 1.141	1.345 1.345	3977 3977		
88-featureDiffThresh-0.1	featureDiffThresh	0	0.1	205.3	4181.91	0.8565	0.7772	0.815	806	135	230	1.164	0.865	0.969	0.932	0.962	0.932	0.951	1.345	3977	7	7.6M
0-recommended-properties	<del>.</del>			125.5	3798.47	0.8556	0.7772	0.8146	806	136	231		-		-				-	3977	2.7G 16	.6.5M
72-backpropLopTraining-true 71-includeFullCRFInLOP-true	backpropLopTraining includeFullCRFInLOP	FALSE FALSE	TRUE TRUE	122 121.7	3969.06 4199.58	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.692 0.690	0.866 0.917	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977		
73-useOutputLayer-false	useOutputLayer	TRUE	FALSE	121.7	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 43-useKnownLCWords-false	applyNERPenalty useKnownLCWords	TRUE TRUE	FALSE FALSE	118.4 118.2	4235.36 4346.45	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.671 0.670	0.924 0.949	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977		
45-useTitle-true	useTitle	FALSE	TRUE	118.1	4173.14	0.8556		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 84-Qnsize-50	initWithNERPosterior	FALSE 25	TRUE 50	117.6 117.2	4276.34 4160.04	0.8556 0.8556	0.7772 0.7772		806 806	136 136	231 231	0.667 0.664	0.933 0.908	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977	2.8G	
66-useTaggySequences-true	QNsize useTaggySequences	FALSE	TRUE	117.2	4021.23	0.8556	0.7772	0.8146 0.8146	806	136	231	0.664	0.878	0.996	0.931	0.962	0.931	0.958	1.351	3977	2.00	
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 65-useSymTags-true	useOccurrencePatterns useSymTags	FALSE FALSE	TRUE TRUE	116.9 116.6	4221.87 4091.56	0.8556 0.8556	0.7772	0.8146 0.8146	806 806	136 136	231 231	0.663 0.661	0.921 0.893	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 3977		
30-wordShape-chris2useLC	wordShape	chris2useLC	chris2useLC	116.4	4204.02	0.8556		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	TRUE FALSE	116.4	4244.4 4134.1	0.8556	0.7772	0.8146	806 806	136 136	231	0.660 0.660	0.926	0.996	0.931 0.931	0.962	0.931	0.958 0.958	1.351	3977		
74-useHiddenLayer-false 70-useViterbi-false	useHiddenLayer useViterbi	TRUE	FALSE	116.4 116.3	4322.83	0.8556 0.8556	0.7772	0.8146 0.8146	806	136	231 231	0.659	0.902 0.943	0.996 0.996	0.931	0.962 0.962	0.931 0.931	0.958	1.351 1.351	3977 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 75-restrictLabels-false	normalize restrictLabels	FALSE TRUE	TRUE FALSE	116 112.43	4493.79 4327.53	0.8556 0.8556		0.8146 0.8146	806 806	136 136	231 231	0.658 0.637	0.981 0.945	0.996 0.996	0.931 0.931	0.962 0.962	0.931 0.931	0.958 0.958	1.351 1.351	3977 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 68-use2W-true	useWordPairs use2W	FALSE FALSE	TRUE TRUE	140.8 130.8	4155.69 4160.04	0.8619 0.8519	0.7763 0.7763	0.8168 0.8123	805 805	129 140	232 232	0.798 0.741	0.907 0.908	1.003 0.992	0.930 0.930	0.964 0.959	0.930 0.930	0.908 0.986	1.357 1.357	3977 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 32-wordShape-chris3useLC	cleanGazette wordShape	FALSE chris2useLC	TRUE chris3useLC	114.9 124.1	4341.7 4248.93	0.8627 0.8488	0.7753 0.7743	0.8167 0.8099	804 803	128 143	233 234	0.651 0.704	0.948 0.927	1.004 0.988	0.928 0.927	0.964 0.956	0.928 0.927	0.901 1.007	1.363 1.368	3977 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 81-sigma-3	useNextRealWord sigma	FALSE 1	TRUE	113.2 253.8	4155.69 4208.47	0.8605 0.8379	0.7734 0.7724	0.8146 0.8038	802 801	130 155	235 236	0.642 1.439	0.907 0.919	1.002 0.975	0.926 0.925	0.962 0.949	0.926 0.925	0.915 1.092	1.374 1.380	3977 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	0.923	0.954	0.923	1.092	1.386	3977		
60-disjunctionWidth-2	disjunctionWidth	4	2	116.1	4258.03	0.863	0.7715		800	127	237	0.658	0.929	1.005	0.924	0.962	0.924	0.894	1.386	3977		
59-disjunctionWidth-3 24-wordShape-dan2useLC	disjunctionWidth wordShape	4 chris2useLC	3 dan2useLC	115.8 119.4	4217.39 4313.45	0.863 0.8497	0.7715 0.7686	0.8147 0.8071	800 797	127 141	237 240	0.656 0.677	0.920 0.941	1.005 0.989	0.924 0.920	0.962 0.953	0.924 0.920	0.894 0.993	1.386 1.404	3977 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 82-sigma-2	maxNGramLeng sigma	6 1	5 2	116.1 158.2	4498.87 4235.36	0.8541 0.8494	0.7676 0.7666	0.8085 0.8059	796 795	136 141	241 242	0.658 0.897	0.982 0.924	0.994 0.989	0.919 0.918	0.955 0.952	0.919 0.918	0.958 0.993	1.409 1.415	3977 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 39-useMoreNeighborNGrams-true	useDisjunctiveShapeInteraction useMoreNeighborNGrams	FALSE FALSE	TRUE TRUE	149.7 141	4404.21 3933.73	0.8534 0.8348		0.7996 0.7876	780 773	134 153	257 264	0.849 0.799	0.961 0.859	0.993 0.972	0.901 0.893	0.944 0.930	0.901 0.893	0.944 1.077	1.503 1.544	3977 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 mayNCraml ong	1	10 2	412.8 132.6	4112.72	0.8328	0.7348		762	153	275	2.340	0.898	0.969	0.880	0.922	0.880	1.077	1.608	3977		
11-maxNGramLeng-2 78-sigma-20	maxNGramLeng sigma	6 1	20	630.6	4199.58 4212.92	0.8247 0.823	0.7213 0.7175	0.7695 0.7666	748 744	159 160	289 293	0.752 3.575	0.917 0.919	0.960 0.958	0.864 0.859	0.909 0.905	0.864 0.859	1.120 1.127	1.690 1.713	3977 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 12-maxNGramLeng-1	useNGrams maxNGramLeng	TRUE 6	FALSE 1	148.9 138	3827.72 4177.52	0.8138 0.8138		0.7477 0.7477	717 717	164 164	320 320	0.844 0.782	0.835 0.912	0.947 0.947	0.828 0.828	0.883	0.828 0.828	1.155 1.155	1.871 1.871	3977 3977		
		•	-	200		2.0200	2.0014			10 7	020	2 32	0.012	3.5 71	020	2.000	2.020			55.7		

ordered-by-false-positives

<u>Test folder</u>	<u>Changed</u> Parameter	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	Train time (sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u>	<u>F1</u>	<u>True</u> Positives	<u>False</u> Positives	<u>False</u> Negatives	Relative Train time (sec)	<u>Relative</u> <u>Classifier test</u> <u>Speed</u> (words/sec)	Relative Precision	<u>Relative</u> <u>Recall</u>	Relative F1	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	Model Size
76-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6	497.56	0.6951	0.8264		857	376	180	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
77-sigma-30 4-useNGrams-false	sigma useNGrams	1 TRUE	30 FALSE	758.13 148.9	3748.35 3827.72	0.8145 0.8138	0.7155 0.6914	0.7618 0.7477	742 717	169 164	295 320	0.119 0.023	7.533 7.693	1.172 1.171	0.866 0.837	1.009 0.990	0.866 0.837	0.449 0.436	1.639 1.778	3977 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 78-sigma-20	usePrev sigma	TRUE 1	FALSE 20	65.1 630.6	3961.16 4212.92	0.8328 0.823	0.7782 0.7175	0.8046 0.7666	807 744	162 160	230 293	0.010 0.099	7.961 8.467	1.198 1.184	0.942 0.868	1.066 1.015	0.942 0.868	0.431 0.426	1.278 1.628	3977 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 81-sigma-3	sigma sigma	1 1	5 3	334.9 253.8	3751.89 4208.47	0.8358 0.8379	0.7608 0.7724	0.7966 0.8038	789 801	155 155	248 236	0.053 0.040	7.541 8.458	1.202 1.205	0.921 0.935	1.055 1.064	0.921 0.935	0.412 0.412	1.378 1.311	3977 3977		
17-usePrevSequences-false	usePrevSequences	TRUE	FALSE	65.2	4108.47	0.8402	0.7724	0.8096	810	154	227	0.040	8.257	1.209	0.935	1.072	0.935	0.412	1.261	3977		
16-useSequences-false	useSequences	TRUE 1	FALSE 10	64.8	3225.47	0.8402 0.8328	0.7811 0.7348	0.8096	810 762	154 153	227 275	0.010 0.065	6.483 8.266	1.209 1.198	0.945 0.889	1.072 1.034	0.945 0.889	0.410 0.407	1.261 1.528	3977 3977		
79-sigma-10 39-useMoreNeighborNGrams-true	sigma useMoreNeighborNGrams	FALSE	TRUE	412.8 141	4112.72 3933.73	0.8348	0.7454	0.7807 0.7876	773	153	264	0.005	7.906	1.196	0.869	1.034	0.869	0.407	1.526	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 9-maxNGramLeng-4	conjoinShapeNGrams maxNGramLeng	FALSE 6	TRUE 4	127.3 143	3914.37 4074.8	0.8475 0.843	0.7878 0.756	0.8166 0.7972	817 784	147 146	220 253	0.020 0.022	7.867 8.190	1.219 1.213	0.953 0.915	1.081 1.056	0.953 0.915	0.391 0.388	1.222 1.406	3977 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 34-wordFunction-Lowercase	wordShape	chris2useLC	dan2bio LowercaseAnd	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		
AndAmericanizeFunction	wordFunction	null	AmericanizeFunction	138.3	3980.98	0.8515	0.7965		826	144	211	0.022	8.001	1.225	0.964	1.090	0.964	0.383	1.172	3977		
27-wordShape-jenny1 31-wordShape-chris3	wordShape wordShape	chris2useLC chris2useLC	jenny1 chris3	137.8 118.5	4529.61 4230.85	0.8502 0.8509	0.7878 0.7927	0.8178 0.8208	817 822	144 144	220 215	0.022 0.019	9.104 8.503	1.223 1.224	0.953 0.959	1.083 1.087	0.953 0.959	0.383 0.383	1.222 1.194	3977 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 82-sigma-2	disjunctionWidth sigma	4 1	6 2	118.7 158.2	4327.53 4235.36	0.8484 0.8494	0.7715 0.7666	0.8081 0.8059	800 795	143 141	237 242	0.019 0.025	8.698 8.512	1.221 1.222	0.934 0.928	1.070 1.067	0.933 0.928	0.380 0.375	1.317 1.344	3977 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 28-wordShape-jenny1useLC	wordShape wordShape	chris2useLC chris2useLC	dan2bioUseLC jenny1useLC	119.3 118.5	4394.48 4095.78	0.8497 0.8497	0.7686 0.7686	0.8071 0.8071	797 797	141 141	240 240	0.019 0.019	8.832 8.232	1.222 1.222	0.930 0.930	1.069 1.069	0.930 0.930	0.375 0.375	1.333 1.333	3977 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 69-useLC-true	use2W useLC	FALSE FALSE	TRUE TRUE	130.8 136.8	4160.04 3961.16	0.8519 0.8553	0.7763 0.7869	0.8123 0.8197	805 816	140 138	232 221	0.021 0.022	8.361 7.961	1.226 1.230	0.939 0.952	1.076 1.086	0.939 0.952	0.372 0.367	1.289 1.228	3977 3977		
20-useTypeySequences-false	useTypeySequences	TRUE	FALSE	125.2	4299.46	0.854	0.7782	0.8143	807	138	230	0.022	8.641	1.229	0.932	1.078	0.932	0.367	1.278	3977		
54-useReverse-true	useReverse	FALSE	TRUE	123.9 159.6	4017.17	0.8547 0.8568	0.783	0.8173	812 820	138 137	225 217	0.019 0.025	8.074 8.066	1.230	0.947 0.957	1.082 1.089	0.947 0.957	0.367 0.364	1.250 1.206	3977 3977		
22-wordShape-chris1 85-Qnsize-10	wordShape QNsize	chris2useLC 25	chris1 10	142	4013.12 4438.62	0.8553	0.7907 0.7811	0.8225 0.8165	810	137	227	0.025	8.921	1.233 1.230	0.945	1.089	0.957	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 47-useEntityRule-true	useTypeSeqs2 useEntityRule	TRUE FALSE	FALSE TRUE	126.8 121.9	4142.71 4083.16	0.8561 0.8553	0.7859 0.7811	0.8195 0.8165	815 810	137 137	222 227	0.020 0.019	8.326 8.206	1.232 1.230	0.951 0.945	1.085 1.081	0.951 0.945	0.364 0.364	1.233 1.261	3977 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 71-includeFullCRFInLOP-true	backpropLopTraining includeFullCRFInLOP	FALSE FALSE	TRUE TRUE	122 121.7	3969.06 4199.58	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.019 0.019	7.977 8.440	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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		
36-applyNERPenalty-false 83-inferenceType-Beam	applyNERPenalty inferenceType	TRUE Viterbi	FALSE Beam	118.4 118.2	4235.36 2185.16	0.8556 0.8558	0.7772 0.7782	0.8146 0.8152	806 807	136 136	231 230	0.019 0.019	8.512 4.392	1.231 1.231	0.940 0.942	1.079 1.080	0.940 0.942	0.362 0.362	1.283 1.278	3977 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 35-initWithNERPosterior-true	useTitle initWithNERPosterior	FALSE FALSE	TRUE TRUE	118.1 117.6	4173.14 4276.34	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.019 0.018	8.387 8.595	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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 50-useLongSequences-true	useTaggySequences useLongSequences	FALSE FALSE	TRUE TRUE	117.1 116.9	4021.23 4049.9	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.018 0.018	8.082 8.140	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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 30-wordShape-chris2useLC	useSymTags wordShape	FALSE chris2useLC	TRUE chris2useLC	116.6 116.4	4091.56 4204.02	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.018 0.018	8.223 8.449	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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 70-useViterbi-false	useHiddenLayer useViterbi	TRUE TRUE	FALSE FALSE	116.4 116.3	4134.1 4322.83	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.018 0.018	8.309 8.688	1.231 1.231	0.940 0.940	1.079 1.079	0.940 0.940	0.362 0.362	1.283 1.283	3977 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 55-normalize-true	maxNGramLeng normalize	6 FALSE	5 TRUE	116.1 116	4498.87 4493.79	0.8541 0.8556	0.7676	0.8085 0.8146	796 806	136 136	241 231	0.018 0.018	9.042 9.032	1.229 1.231	0.929 0.940	1.071 1.079	0.929 0.940	0.362 0.362	1.339 1.283	3977 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 89-featureDiffThresh-0.05	restrictLabels featureDiffThresh	TRUE 0	FALSE 0.05	112.43 232.4	4327.53 4248.93	0.8556 0.8571	0.7772 0.7811	0.8146 0.8174	806 810	136 135	231 227	0.018 0.037	8.698 8.540	1.231 1.233	0.940 0.945	1.079 1.083	0.940 0.945	0.362 0.359	1.283 1.261	3977 3977		10.6M
38-useNeighborNGrams-true	useNeighborNGrams	FALSE	TRUE	209.4	3827.72	0.8564	0.7763	0.8174	805	135	232	0.037	7.693	1.232	0.939	1.079	0.939	0.359	1.289	3977		10.0W
88-featureDiffThresh-0.1	featureDiffThresh	0 obrig3usol C	0.1 dan1	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 91-sloppyGazette-true	wordShape sloppyGazette	chris2useLC FALSE	dan1 TRUE	161.1 136.8	4389.62 3980.98	0.8589 0.8568	0.7927 0.7792	0.8245 0.8162	822 808	135 135	215 229	0.025 0.022	8.822 8.001	1.236 1.233	0.959 0.943	1.092 1.081	0.959 0.943	0.359 0.359	1.194 1.272	3977 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 93-optimal-configuration	maxLeft -	1	2	1192.2 176.4	728.39 4581.8	0.8573 0.8591	0.7763 0.8351	0.8148 0.8469	805 866	134 142	232 171	0.187 1.406	1.464 1.206	1.233 1.004	0.939 1.074	1.079 1.040	0.939 1.074	0.356 1.044	1.289 0.740	3977 3977		
90-featureDiffThresh-0.025	featureDiffThresh	0	0.025 5	221.2	3010.6	0.8582	0.7821	0.8184	811	134 134	226	0.035	6.051	1.235	0.946	1.084	0.946	0.356	1.256	3977	2.00	12.6M
86-Qnsize-5 62-useDisjunctiveShapeInteraction-true	QNsize useDisjunctiveShapeInteraction	25 FALSE	TRUE	165.1 149.7	4212.92 4404.21	0.8586 0.8534	0.785 0.7522	0.8202 0.7996	814 780	134	223 257	0.026 0.024	8.467 8.852	1.235 1.228	0.950 0.910	1.086 1.059	0.950 0.910	0.356 0.356	1.239 1.428	3977 3977	2.0G	
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 52-useLastRealWord-true	maxNGramLeng useLastRealWord	6 FALSE	8 TRUE	141.2 123.3	4262.59 4177.52	0.8594 0.8585	0.784 0.7782	0.82 0.8164	813 807	133 133	224 230	0.022 0.019	8.567 8.396	1.236 1.235	0.949 0.942	1.086 1.081	0.949 0.942	0.354 0.354	1.244 1.278	3977 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 7-maxNGramLeng-7	useNextSequences maxNGramLeng	FALSE 6	TRUE 7	146.9 128.6	4204.02 4058.16	0.8599 0.8603	0.7811 0.784	0.8186 0.8204	810 813	132 132	227 224	0.023 0.020	8.449 8.156	1.237 1.238	0.945 0.949	1.084 1.086	0.945 0.949	0.351 0.351	1.261 1.244	3977 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 14-useNext-false	useClassFeature useNext	TRUE TRUE	FALSE FALSE	125 115.5	3455.26 4029.38	0.8617 0.8611	0.7869 0.783	0.8226 0.8202	816 812	131 131	221 225	0.020 0.018	6.944 8.098	1.240 1.239	0.952 0.947	1.089 1.086	0.952 0.947	0.348 0.348	1.228 1.250	3977 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 37-useWordPairs-true	useNextRealWord	FALSE	TRUE	113.2	4155.69	0.8605	0.7734	0.8146	802 805	130 129	235	0.018	8.352 8.352	1.238	0.936 0.939	1.079	0.936	0.346 0.343	1.306 1.289	3977 3977		
37-useword-Pairs-true 3-useWord-false	useWordPairs useWord	FALSE TRUE	TRUE FALSE	140.8 137.9	4155.69 3899.02	0.8619 0.8614	0.7763 0.7734	0.8168 0.815	802	129	232 235	0.022 0.022	8.352 7.836	1.240 1.239	0.936	1.082 1.079	0.939 0.936	0.343	1.306	3977 3977		
46-useEntityTypes-true	useEntityTypes ONsize	FALSE	TRUE 2	122.5	4204.02 4200.18	0.8622	0.7782	0.818	807 804	129	230	0.019 0.037	8.449	1.240	0.942 0.938	1.083	0.942	0.343 0.340	1.278	3977 3977	1 90	
87-Qnsize-2 92-cleanGazette-true	QNsize cleanGazette	25 FALSE	TRUE	232.9 114.9	4290.18 4341.7	0.8627 0.8627	0.7753 0.7753	0.8167 0.8167	804 804	128 128	233 233	0.037	8.622 8.726	1.241 1.241	0.938	1.082 1.082	0.938 0.938	0.340	1.294 1.294	3977 3977	1.8G	
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 60-disjunctionWidth-2	disjunctionWidth disjunctionWidth	4	5 2	134.8 116.1	4134.1 4258.03	0.8643 0.863	0.7801 0.7715	0.8201 0.8147	809 800	127 127	228 237	0.021 0.018	8.309 8.558	1.243 1.242	0.944 0.934	1.086 1.079	0.944 0.933	0.338 0.338	1.267 1.317	3977 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 64-useTags-true	useDisjunctive useTags	TRUE FALSE	FALSE TRUE	137.23 120.4	4217.39 4262.59	0.867 0.8667	0.7859 0.7772	0.8245 0.8195	815 806	125 124	222 231	0.022 0.019	8.476 8.567	1.247 1.247	0.951 0.940	1.092 1.085	0.951 0.940	0.332 0.330	1.233 1.283	3977 3977		
61-disjunctionWidth-1	disjunctionWidth	4	1	118.2	4208.47	0.8675		0.8193	805	123	232	0.019	8.458	1.248	0.939	1.085	0.939	0.327	1.289	3977		

ordered-by-false-negatives

	<u>Test folder</u>	<u>Changed</u> <u>Parameter</u>	Recommended <u>Value</u>	<u>Test</u> <u>Value</u>	<u>Train time</u> (sec)	Classifier test Speed (words/sec)	Precision	<u>Recall</u>	<u>F1</u>	<u>True</u> <u>Positives</u>	<u>False</u> <u>Positives</u>	<u>False</u> Negatives	Relative Train time (sec)	Relative Classifier test Speed (words/sec)	<u>Relative</u> <u>Precision</u>	<u>Relative</u> <u>Recall</u>	<u>Relative</u> <u>F1</u>	Relative True Positives	Relative False Positives	Relative False Negatives	Classifier test N° of tagged Words	<u>JVM</u> <u>Memory</u> <u>Usage</u>	Model Size
	-useNGrams-false	useNGrams	TRUE	FALSE	148.9	3827.72	0.8138	0.6914		717	164	320	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3977		
	.2-maxNGramLeng-1 '7-sigma-30	maxNGramLeng sigma	6	1 30	138 758.13	4177.52 3748.35	0.8138 0.8145	0.6914 0.7155	0.7477 0.7618	717 742	164 169	320 295	0.927 5.092	1.091 0.979	1.000 1.001	1.000 1.035	1.000 1.019	1.000 1.035	1.000 1.030	1.000 0.922	3977 3977		
	7-signa-30 '8-sigma-20	sigma	1	20	630.6	4212.92	0.823	0.7175		744	160	293	4.235	1.101	1.011	1.038	1.025	1.038	0.976	0.916	3977		
	1-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		
	'9-sigma-10 .0-maxNGramLeng-3	sigma maxNGramLeng	6	10 3	412.8 128.9	4112.72 4370.33	0.8328 0.839	0.7348 0.7435	0.7807 0.7883	762 771	153 148	275 266	2.772 0.866	1.074 1.142	1.023 1.031	1.063 1.075	1.044 1.054	1.063 1.075	0.933 0.902	0.859 0.831	3977 3977		
	9-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 6	TRUE 4	149.7 143	4404.21 4074.8	0.8534 0.843	0.7522 0.756	0.7996 0.7972	780 784	134 146	257 253	1.005 0.960	1.151 1.065	1.049 1.036	1.088 1.093	1.069 1.066	1.088 1.093	0.817 0.890	0.803 0.791	3977 3977		
	0-maxNGramLeng-4 80-sigma-5	maxNGramLeng sigma	1	5	334.9	3751.89	0.8358	0.7608	0.7972	789	155	253	2.249	0.980	1.036	1.100	1.065	1.100	0.890	0.791	3977		
	32-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		
	3-maxNGramLeng-5 24-wordShape-dan2useLC	maxNGramLeng wordShape	6 chris2useLC	5 dan2useLC	116.1 119.4	4498.87 4313.45	0.8541 0.8497	0.7676 0.7686	0.8085 0.8071	796 797	136 141	241 240	0.780 0.802	1.175 1.127	1.050 1.044	1.110 1.112	1.081 1.079	1.110 1.112	0.829 0.860	0.753 0.750	3977 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	118.5 118.7	4095.78 4327.53	0.8497 0.8484	0.7686	0.8071	797 800	141 143	240 237	0.796 0.797	1.070	1.044 1.043	1.112 1.116	1.079 1.081	1.112 1.116	0.860 0.872	0.750 0.741	3977 3977		
	57-disjunctionWidth-6 60-disjunctionWidth-2	disjunctionWidth disjunctionWidth	4	2	116.7	4258.03	0.863	0.7715 0.7715	0.8081 0.8147	800	127	237	0.780	1.131 1.112	1.043	1.116	1.090	1.116	0.774	0.741	3977		
	9-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		
	s1-sigma-3 B-useWord-false	sigma useWord	1 TRUE	3 FALSE	253.8 137.9	4208.47 3899.02	0.8379 0.8614	0.7724 0.7734	0.8038 0.815	801 802	155 129	236 235	1.704 0.926	1.099 1.019	1.030 1.058	1.117 1.119	1.075 1.090	1.117 1.119	0.945 0.787	0.738 0.734	3977 3977		
	33-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 2	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	1.00	
	37-Qnsize-2 92-cleanGazette-true	QNsize cleanGazette	25 FALSE	TRUE	232.9 114.9	4290.18 4341.7	0.8627 0.8627	0.7753 0.7753	0.8167 0.8167	804 804	128 128	233 233	1.564 0.772	1.121 1.134	1.060 1.060	1.121 1.121	1.092 1.092	1.121 1.121	0.780 0.780	0.728 0.728	3977 3977	1.8G	
	-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		
	8-useNeighborNGrams-true 87-useWordPairs-true	useNeighborNGrams useWordPairs	FALSE FALSE	TRUE TRUE	209.4 140.8	3827.72 4155.69	0.8564 0.8619	0.7763 0.7763	0.8144 0.8168	805 805	135 129	232 232	1.406 0.946	1.000 1.086	1.052 1.059	1.123 1.123	1.089 1.092	1.123 1.123	0.823 0.787	0.725 0.725	3977 3977		
	88-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		
	1-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		7.014
	8-featureDiffThresh-0.1 I-recommended-properties	featureDiffThresh -	0	0.1	205.3 125.5	4181.91 3798.47	0.8565 0.8556	0.7772 0.7772	0.815 0.8146	806 806	135 136	231 231	1.379	1.093	1.052	1.124	1.090	1.124	0.823	0.722	3977 3977	2.7G	7.6M 16.5M
7	'2-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		
	'1-includeFullCRFInLOP-true '3-useOutputLayer-false	includeFullCRFInLOP useOutputLayer	FALSE TRUE	TRUE FALSE	121.7 121.2	4199.58 4443.58	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.817 0.814	1.097 1.161	1.051 1.051	1.124 1.124	1.089 1.089	1.124 1.124	0.829 0.829	0.722 0.722	3977 3977		
	3-useOutputEayer-laise 64-useTags-true	useTags	FALSE	TRUE	120.4	4262.59	0.8667	0.7772	0.8195	806	124	231	0.814	1.114	1.065	1.124	1.009	1.124	0.756	0.722	3977		
	6-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		
	l3-useKnownLCWords-false l5-useTitle-true	useKnownLCWords useTitle	TRUE FALSE	FALSE TRUE	118.2 118.1	4346.45 4173.14	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.794 0.793	1.136 1.090	1.051 1.051	1.124 1.124	1.089 1.089	1.124 1.124	0.829 0.829	0.722 0.722	3977 3977		
	5-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		
	44-Qnsize-50	QNsize	25 FALSE	50 TDUE	117.2	4160.04 4021.23	0.8556	0.7772	0.8146	806	136 136	231	0.787 0.786	1.087	1.051	1.124 1.124	1.089 1.089	1.124 1.124	0.829 0.829	0.722 0.722	3977 3977	2.8G	
	66-useTaggySequences-true 60-useLongSequences-true	useTaggySequences useLongSequences	FALSE	TRUE TRUE	117.1 116.9	4049.9	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136	231 231	0.785	1.051 1.058	1.051 1.051	1.124	1.089	1.124	0.829	0.722	3977		
6	7-useOccurrencePatterns-true	useOccurrencePatterns	FALSE	TRUE	116.9	4221.87	0.8556	0.7772		806	136	231	0.785	1.103	1.051	1.124	1.089	1.124	0.829	0.722	3977		
	65-useSymTags-true 80-wordShape-chris2useLC	useSymTags wordShape	FALSE chris2useLC	TRUE chris2useLC	116.6 116.4	4091.56 4204.02	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.783 0.782	1.069 1.098	1.051 1.051	1.124 1.124	1.089 1.089	1.124 1.124	0.829 0.829	0.722 0.722	3977 3977		
	3-useBoundarySequences-true	useBoundarySequences	FALSE	TRUE	116.4	4244.4	0.8556	0.7772		806	136	231	0.782	1.109	1.051	1.124	1.089	1.124	0.829	0.722	3977		
	'4-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		
	'0-useViterbi-false 6-normalizeTimex-true	useViterbi normalizeTimex	TRUE FALSE	FALSE TRUE	116.3 116.1	4322.83 4262.59	0.8556 0.8556	0.7772 0.7772	0.8146 0.8146	806 806	136 136	231 231	0.781 0.780	1.129 1.114	1.051 1.051	1.124 1.124	1.089 1.089	1.124 1.124	0.829 0.829	0.722 0.722	3977 3977		
	5-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		
	'5-restrictLabels-false !0-useTypeySequences-false	restrictLabels useTypeySequences	TRUE TRUE	FALSE FALSE	112.43 125.2	4327.53 4299.46	0.8556 0.854	0.7772 0.7782	0.8146 0.8143	806 807	136 138	231 230	0.755 0.841	1.131 1.123	1.051 1.049	1.124 1.126	1.089 1.089	1.124 1.126	0.829 0.841	0.722 0.719	3977 3977		
	2-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		
	6-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		
	3-inferenceType-Beam .3-usePrev-false	inferenceType usePrev	Viterbi TRUE	Beam FALSE	118.2 65.1	2185.16 3961.16	0.8558 0.8328	0.7782 0.7782	0.8152 0.8046	807 807	136 162	230 230	0.794 0.437	0.571 1.035	1.052 1.023	1.126 1.126	1.090 1.076	1.126 1.126	0.829 0.988	0.719 0.719	3977 3977		
	1-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		
	2-dehyphenateNGrams-true 3-wordShape-chris4	dehyphenateNGrams wordShape	FALSE chris2useLC	TRUE chris4	121.1 113	3925.96 3914.37	0.8596 0.8559	0.7792 0.7792	0.8174 0.8157	808 808	132 136	229 229	0.813 0.759	1.026 1.023	1.056 1.052	1.127 1.127	1.093 1.091	1.127 1.127	0.805 0.829	0.716 0.716	3977 3977		
	88-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		
	l8-useOrdinal-true 19-featureDiffThresh-0.05	useOrdinal featureDiffThresh	FALSE 0	TRUE 0.05	119.8 232.4	4013.12 4248.93	0.857 0.8571	0.7801 0.7811	0.8168 0.8174	809 810	135 135	228 227	0.805 1.561	1.048	1.053 1.053	1.128 1.130	1.092 1.093	1.128 1.130	0.823 0.823	0.713 0.709	3977 3977		10.6M
	i1-useNextSequences-true	useNextSequences	FALSE	TRUE	232.4 146.9	4246.93	0.8599	0.7811	0.8174	810	132	227	0.987	1.110 1.098	1.053	1.130	1.095	1.130	0.805	0.709	3977		10.0W
	9-useEntityTypeSequences-true	useEntityTypeSequences	FALSE	TRUE	142.3	4239.87	0.8617	0.7811		810	130	227	0.956	1.108	1.059	1.130	1.096	1.130	0.793	0.709	3977		
	35-Qnsize-10 37-useEntityRule-true	QNsize useEntityRule	25 FALSE	10 TRUE	142 121.9	4438.62 4083.16	0.8553 0.8553	0.7811 0.7811	0.8165 0.8165	810 810	137 137	227 227	0.954 0.819	1.160 1.067	1.051 1.051	1.130 1.130	1.092 1.092	1.130 1.130	0.835 0.835	0.709 0.709	3977 3977	2.1G	
1	.7-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		
	.6-useSequences-false	useSequences	TRUE 0	FALSE	64.8	3225.47	0.8402	0.7811	0.8096	810	154 134	227 226	0.435	0.843	1.032	1.130 1.131	1.083	1.130	0.939	0.709	3977		12.6M
	0-featureDiffThresh-0.025 64-useReverse-true	featureDiffThresh useReverse	FALSE	0.025 TRUE	221.2 123.9	3010.6 4017.17	0.8582 0.8547	0.7821 0.783	0.8184 0.8173	811 812	134	225	1.486 0.832	0.787 1.049	1.055 1.050	1.131	1.095 1.093	1.131 1.132	0.817 0.841	0.706 0.703	3977 3977		12.6IVI
	.4-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		
	i-maxNGramLeng-8 '-maxNGramLeng-7	maxNGramLeng maxNGramLeng	6 6	8 7	141.2 128.6	4262.59 4058.16	0.8594 0.8603	0.784 0.784	0.82 0.8204	813 813	133 132	224 224	0.948 0.864	1.114 1.060	1.056 1.057	1.134 1.134	1.097 1.097	1.134 1.134	0.811 0.805	0.700 0.700	3977 3977		
	66-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	
	4-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		
	.5-useDisjunctive-false .9-useTypeSeqs2-false	useDisjunctive useTypeSeqs2	TRUE TRUE	FALSE FALSE	137.23 126.8	4217.39 4142.71	0.867 0.8561	0.7859 0.7859	0.8245 0.8195	815 815	125 137	222 222	0.922 0.852	1.102 1.082	1.065 1.052	1.137 1.137	1.103 1.096	1.137 1.137	0.762 0.835	0.694 0.694	3977 3977		
1	.8-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		
	9-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		
	!-useClassFeature-false !3-wordShape-dan2	useClassFeature wordShape	TRUE chris2useLC	FALSE dan2	125 143.2	3455.26 4100	0.8617 0.8502	0.7869 0.7878	0.8226 0.8178	816 817	131 144	221 220	0.839 0.962	0.903 1.071	1.059 1.045	1.138 1.139	1.100 1.094	1.138 1.139	0.799 0.878	0.691 0.688	3977 3977		
2	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		
	?7-wordShape-jenny1 !0-conjoinShapeNGrams-true	wordShape conjoinShapeNGrams	chris2useLC FALSE	jenny1 TRUE	137.8 127.3	4529.61 3914.37	0.8502 0.8475	0.7878 0.7878	0.8178 0.8166	817 817	144 147	220 220	0.925 0.855	1.183 1.023	1.045 1.041	1.139 1.139	1.094 1.092	1.139 1.139	0.878 0.896	0.688 0.688	3977 3977		
	22-wordShape-chris1	wordShape	chris2useLC	chris1	159.6	4013.12	0.8568	0.7907	0.8225	820	137	217	1.072	1.023	1.053	1.139	1.100	1.139	0.835	0.678	3977		
2	1-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		
	11-lowercaseNGrams-true 81-wordShape-chris3	lowercaseNGrams wordShape	FALSE chris2useLC	TRUE chris3	142.5 118.5	3929.84 4230.85	0.8662 0.8509	0.7927 0.7927	0.8278 0.8208	822 822	127 144	215 215	0.957 0.796	1.027 1.105	1.064 1.046	1.147 1.147	1.107 1.098	1.146 1.146	0.774 0.878	0.672 0.672	3977 3977		
5	-noMidNGrams	noMidNGrams	TRUE	FALSE	136.2	3658.69	0.8549	0.7956		825	140	212	0.915	0.956	1.051	1.151	1.102	1.151	0.854	0.663	3977		
	44-wordFunction-Lowercase AndAmericanizeFunction	wordFunction	null	LowercaseAnd AmericanizeFunction	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		
	'6-useBagOfWords-true	useBagOfWords	FALSE	TRUE	6362.6 176.4	497.56	0.6951	0.8264	0.7551	857	376	180	42.731	0.130	0.854	1.195 1.074	1.010 1.040	1.195 1.074	2.293	0.563	3977		
٤	3-optimal-configuration	-	-	-	110.4	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		