

Detailed results

Submission information

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Competition submission: 30
Competition phase: 3 - Open phase

Results

ALL	A	B	C	N						
					OVERALL					
					TP	FP	FN	P	R	F _{0.5}
Span-level correction					4341	2705	2197	61.61	66.40	62.51
Span-level detection					5042	2019	1876	71.41	72.88	71.70
Token-level detection					6328	1549	2099	80.34	75.09	79.23

SPAN-LEVEL CORRECTION

OPERATION LEVEL											
							TP	FP	FN	P	F _{0.5}
M							1526	769	482	66.49	68.20
R							2289	1513	1520	60.21	60.18
U							526	423	195	55.43	58.22

ERROR TYPE LEVEL

							TP	FP	FN	P	F _{0.5}
ADJ							16	38	33	29.63	30.19
ADJ:FORM							8	7	6	53.33	54.05
ADV							43	81	46	34.68	36.75
CONJ							21	27	15	43.75	46.05
CONTR							12	5	2	70.59	73.17

DET	618	304	169	67.03	78.53	69.05
MORPH	89	39	74	69.53	54.60	65.93
NOUN	43	96	99	30.94	30.28	30.80
NOUN:INFL	12	9	7	57.14	63.16	58.25
NOUN:NUM	237	131	55	64.40	81.16	67.18
NOUN:POSS	49	15	12	76.56	80.33	77.29
ORTH	293	75	161	79.62	64.54	76.06
OTHER	255	473	492	35.03	34.14	34.85
PART	30	28	15	51.72	66.67	54.15
PREP	431	276	152	60.96	73.93	63.18
PRON	96	85	56	53.04	63.16	54.79
PUNCT	1167	469	314	71.33	78.80	72.71
SPELL	181	34	136	84.19	57.10	76.89
VERB	130	127	159	50.58	44.98	49.35
VERB:FORM	196	99	35	66.44	84.85	69.45
VERB:INFL	6	0	2	100.00	75.00	93.75
VERB:SVA	141	46	20	75.40	87.58	77.56
VERB:TENSE	228	204	93	52.78	71.03	55.64
WO	39	37	44	51.32	46.99	50.39

OPERATION + ERROR TYPE LEVEL

	TP	FP	FN	P	R	F_{0.5}
M:ADJ	4	7	6	36.36	40.00	37.04
M:ADV	10	26	21	27.78	32.26	28.57
M:CONJ	17	20	8	45.95	68.00	49.13
M:DET	263	107	75	71.08	77.81	72.33
M:NOUN	6	21	8	22.22	42.86	24.59
M:NOUN:POSS	14	7	2	66.67	87.50	70.00
M:OTHER	38	77	40	33.04	48.72	35.32
M:PART	1	4	5	20.00	16.67	19.23
M:PREP	90	66	38	57.69	70.31	59.84
M:PRON	47	36	26	56.63	64.38	58.02
M:PUNCT	949	333	221	74.02	81.11	75.34

M:VERB	26	27	18	49.06	59.09	50.78
M:VERB:FORM	17	5	2	77.27	89.47	79.44
M:VERB:TENSE	44	33	12	57.14	78.57	60.44
R:ADJ	7	21	24	25.00	22.58	24.48
R:ADJ:FORM	8	7	6	53.33	57.14	54.05
R:ADV	14	17	14	45.16	50.00	46.05
R:CONJ	1	4	5	20.00	16.67	19.23
R:CONTR	4	3	2	57.14	66.67	58.82
R:DET	104	58	53	64.20	66.24	64.60
R:MORPH	89	39	74	69.53	54.60	65.93
R:NOUN	32	43	79	42.67	28.83	38.93
R:NOUN:INFL	12	9	7	57.14	63.16	58.25
R:NOUN:NUM	237	131	55	64.40	81.16	67.18
R:NOUN:POSS	22	5	8	81.48	73.33	79.71
R:ORTH	293	75	161	79.62	64.54	76.06
R:OTHER	189	333	430	36.21	30.53	34.91
R:PART	24	22	7	52.17	77.42	55.81
R:PREP	270	159	91	62.94	74.79	65.00
R:PRON	34	40	19	45.95	64.15	48.71
R:PUNCT	160	116	54	57.97	74.77	60.70
R:SPELL	181	34	136	84.19	57.10	76.89
R:VERB	90	79	124	53.25	42.06	50.56
R:VERB:FORM	170	82	31	67.46	84.58	70.31
R:VERB:INFL	6	0	2	100.00	75.00	93.75
R:VERB:SVA	141	46	20	75.40	87.58	77.56
R:VERB:TENSE	162	153	74	51.43	68.64	54.14
R:WO	39	37	44	51.32	46.99	50.39
U:ADJ	5	10	3	33.33	62.50	36.76
U:ADV	19	38	11	33.33	63.33	36.82
U:CONJ	3	3	2	50.00	60.00	51.72
U:CONTR	8	2	0	80.00	100.00	83.33
U:DET	251	139	41	64.36	85.96	67.76
U:NOUN	5	32	12	13.51	29.41	15.15

U:NOUN:POSS	13	3	2	81.25	86.67	82.28
U:OTHER	28	63	22	30.77	56.00	33.82
U:PART	5	2	3	71.43	62.50	69.44
U:PREP	71	51	23	58.20	75.53	61.00
U:PRON	15	9	11	62.50	57.69	61.48
U:PUNCT	58	20	39	74.36	59.79	70.90
U:VERB	14	21	17	40.00	45.16	40.94
U:VERB:FORM	9	12	2	42.86	81.82	47.37
U:VERB:TENSE	22	18	7	55.00	75.86	58.20

SPAN-LEVEL DETECTION

OPERATION LEVEL

	TP	FP	FN	P	R	F _{0.5}
M	1641	642	449	71.88	78.52	73.12
R	2798	1008	1207	73.52	69.86	72.75
U	582	369	167	61.20	77.70	63.91
UNK	21	0	53	100.00	28.38	66.46

ERROR TYPE LEVEL

	TP	FP	FN	P	R	F _{0.5}
ADJ	35	22	32	61.40	52.24	59.32
ADJ:FORM	9	4	6	69.23	60.00	67.16
ADV	52	67	43	43.70	54.74	45.53
CONJ	27	19	17	58.70	61.36	59.21
CONTR	15	5	1	75.00	93.75	78.12
DET	670	274	127	70.97	84.07	73.26
MORPH	100	29	59	77.52	62.89	74.07
NOUN	75	67	87	52.82	46.30	51.37
NOUN:INFL	15	2	3	88.24	83.33	87.21
NOUN:NUM	236	98	49	70.66	82.81	72.79
NOUN:POSS	55	13	8	80.88	87.30	82.09
ORTH	339	52	133	86.70	71.82	83.25
OTHER	483	282	379	63.14	56.03	61.58

PART	36	21	9	63.16	80.00	65.93
PREP	491	200	118	71.06	80.62	72.78
PRON	120	60	48	66.67	71.43	67.57
PUNCT	1213	431	300	73.78	80.17	74.98
SPELL	205	7	105	96.70	66.13	88.51
UNK	21	0	53	100.00	28.38	66.46
VERB	193	74	141	72.28	57.78	68.83
VERB:FORM	196	72	29	73.13	87.11	75.56
VERB:INFL	6	0	2	100.00	75.00	93.75
VERB:SVA	153	28	10	84.53	93.87	86.25
VERB:TENSE	254	166	86	60.48	74.71	62.87
WO	43	26	31	62.32	58.11	61.43

OPERATION + ERROR TYPE LEVEL

	TP	FP	FN	P	R	F_{0.5}
M:ADJ	8	5	6	61.54	57.14	60.61
M:ADV	14	22	16	38.89	46.67	40.23
M:CONJ	21	13	10	61.76	67.74	62.87
M:CONTR	2	0	0	100.00	100.00	100.00
M:DET	284	92	54	75.53	84.02	77.09
M:NOUN	13	18	9	41.94	59.09	44.52
M:NOUN:POSS	14	6	2	70.00	87.50	72.92
M:OTHER	48	46	38	51.06	55.81	51.95
M:PART	0	4	3	0.00	0.00	0.00
M:PREP	99	55	36	64.29	73.33	65.91
M:PRON	61	26	24	70.11	71.76	70.44
M:PUNCT	978	306	222	76.17	81.50	77.18
M:VERB	35	17	16	67.31	68.63	67.57
M:VERB:FORM	16	6	0	72.73	100.00	76.92
M:VERB:TENSE	48	26	13	64.86	78.69	67.23
R:ADJ	18	9	23	66.67	43.90	60.40
R:ADJ:FORM	9	4	6	69.23	60.00	67.16
R:ADV	16	15	16	51.61	50.00	51.28

R:CONJ	1	4	6	20.00	14.29	18.52
R:CONTR	5	3	1	62.50	83.33	65.79
R:DET	120	53	44	69.36	73.17	70.09
R:MORPH	100	29	59	77.52	62.89	74.07
R:NOUN	52	24	68	68.42	43.33	61.32
R:NOUN:INFL	15	2	3	88.24	83.33	87.21
R:NOUN:NUM	236	98	49	70.66	82.81	72.79
R:NOUN:POSS	30	3	4	90.91	88.24	90.36
R:ORTH	339	52	133	86.70	71.82	83.25
R:OTHER	403	177	315	69.48	56.13	66.33
R:PART	31	16	4	65.96	88.57	69.51
R:PREP	316	112	65	73.83	82.94	75.49
R:PRON	41	27	13	60.29	75.93	62.88
R:PUNCT	166	103	45	61.71	78.67	64.49
R:SPELL	205	7	105	96.70	66.13	88.51
R:VERB	142	38	111	78.89	56.13	72.97
R:VERB:FORM	171	54	28	76.00	85.93	77.80
R:VERB:INFL	6	0	2	100.00	75.00	93.75
R:VERB:SVA	153	28	10	84.53	93.87	86.25
R:VERB:TENSE	180	124	66	59.21	73.17	61.56
R:WO	43	26	31	62.32	58.11	61.43
U:ADJ	9	8	3	52.94	75.00	56.25
U:ADV	22	30	11	42.31	66.67	45.64
U:CONJ	5	2	1	71.43	83.33	73.53
U:CONTR	8	2	0	80.00	100.00	83.33
U:DET	266	129	29	67.34	90.17	70.93
U:NOUN	10	25	10	28.57	50.00	31.25
U:NOUN:POSS	11	4	2	73.33	84.62	75.34
U:OTHER	32	59	26	35.16	55.17	37.91
U:PART	5	1	2	83.33	71.43	80.65
U:PREP	76	33	17	69.72	81.72	71.83
U:PRON	18	7	11	72.00	62.07	69.77
U:PUNCT	69	22	33	75.82	67.65	74.03

U:VERB	16	19	14	45.71	53.33	47.06
U:VERB:FORM	9	12	1	42.86	90.00	47.87
U:VERB:TENSE	26	16	7	61.90	78.79	64.68
UNK	21	0	53	100.00	28.38	66.46

TOKEN-LEVEL DETECTION

OPERATION LEVEL

	TP	FP	FN	P	R	F _{0.5}
M	1825	461	374	79.83	82.99	80.45
R	3709	798	1411	82.29	72.44	80.11
U	727	290	225	71.48	76.37	72.41
UNK	67	0	89	100.00	42.95	79.01

ERROR TYPE LEVEL

	TP	FP	FN	P	R	F _{0.5}
ADJ	37	19	36	66.07	50.68	62.29
ADJ:FORM	10	3	8	76.92	55.56	71.43
ADV	66	50	40	56.90	62.26	57.89
CONJ	32	9	19	78.05	62.75	74.42
CONTR	13	3	2	81.25	86.67	82.28
DET	706	209	118	77.16	85.68	78.72
MORPH	103	20	55	83.74	65.19	79.23
NOUN	99	44	86	69.23	53.51	65.39
NOUN:INFL	16	1	2	94.12	88.89	93.02
NOUN:NUM	232	80	42	74.36	84.67	76.22
NOUN:POSS	67	4	9	94.37	88.16	93.06
ORTH	490	43	114	91.93	81.13	89.55
OTHER	1053	215	611	83.04	63.28	78.16
PART	35	11	8	76.09	81.40	77.09
PREP	516	156	107	76.79	82.83	77.92
PRON	131	43	30	75.29	81.37	76.43
PUNCT	1419	330	253	81.13	84.87	81.85
SPELL	207	2	99	99.04	67.65	90.63

UNK	67	0	89	100.00	42.95	79.01
VERB	226	58	152	79.58	59.79	74.64
VERB:FORM	204	52	26	79.69	88.70	81.34
VERB:INFL	5	0	0	100.00	100.00	100.00
VERB:SVA	154	22	12	87.50	92.77	88.51
VERB:TENSE	306	148	112	67.40	73.21	68.49
WO	134	27	69	83.23	66.01	79.10

OPERATION + ERROR TYPE LEVEL

	TP	FP	FN	P	R	F_{0.5}
M:ADJ	7	5	7	58.33	50.00	56.45
M:ADV	19	15	14	55.88	57.58	56.21
M:CONJ	25	7	8	78.12	75.76	77.64
M:CONTR	1	0	0	100.00	100.00	100.00
M:DET	300	57	49	84.03	85.96	84.41
M:NOUN	19	15	11	55.88	63.33	57.23
M:NOUN:POSS	15	2	4	88.24	78.95	86.21
M:OTHER	61	30	37	67.03	62.24	66.02
M:PART	4	3	3	57.14	57.14	57.14
M:PREP	123	37	29	76.88	80.92	77.65
M:PRON	72	15	15	82.76	82.76	82.76
M:PUNCT	1072	249	172	81.15	86.17	82.11
M:VERB	39	12	17	76.47	69.64	75.00
M:VERB:FORM	14	1	0	93.33	100.00	94.59
M:VERB:TENSE	54	13	8	80.60	87.10	81.82
R:ADJ	23	9	24	71.88	48.94	65.71
R:ADJ:FORM	10	3	8	76.92	55.56	71.43
R:ADV	20	15	14	57.14	58.82	57.47
R:CONJ	2	2	7	50.00	22.22	40.00
R:CONTR	5	2	1	71.43	83.33	73.53
R:DET	116	43	40	72.96	74.36	73.23
R:MORPH	103	20	55	83.74	65.19	79.23
R:NOUN	66	15	64	81.48	50.77	72.69

R:NOUN:INFL	16	1	2	94.12	88.89	93.02
R:NOUN:NUM	232	80	42	74.36	84.67	76.22
R:NOUN:POSS	37	0	3	100.00	92.50	98.40
R:ORTH	490	43	114	91.93	81.13	89.55
R:OTHER	890	126	508	87.60	63.66	81.47
R:PART	25	7	2	78.12	92.59	80.65
R:PREP	308	102	61	75.12	83.47	76.66
R:PRON	38	24	9	61.29	80.85	64.41
R:PUNCT	250	61	41	80.39	85.91	81.43
R:SPELL	207	2	99	99.04	67.65	90.63
R:VERB	170	32	115	84.16	59.65	77.77
R:VERB:FORM	183	41	25	81.70	87.98	82.88
R:VERB:INFL	5	0	0	100.00	100.00	100.00
R:VERB:SVA	154	22	12	87.50	92.77	88.51
R:VERB:TENSE	225	121	96	65.03	70.09	65.98
R:WO	134	27	69	83.23	66.01	79.10
U:ADJ	7	5	5	58.33	58.33	58.33
U:ADV	27	20	12	57.45	69.23	59.47
U:CONJ	5	0	4	100.00	55.56	86.21
U:CONTR	7	1	1	87.50	87.50	87.50
U:DET	290	109	29	72.68	90.91	75.72
U:NOUN	14	14	11	50.00	56.00	51.09
U:NOUN:POSS	15	2	2	88.24	88.24	88.24
U:OTHER	102	59	66	63.35	60.71	62.81
U:PART	6	1	3	85.71	66.67	81.08
U:PREP	85	17	17	83.33	83.33	83.33
U:PRON	21	4	6	84.00	77.78	82.68
U:PUNCT	97	20	40	82.91	70.80	80.17
U:VERB	17	14	20	54.84	45.95	52.80
U:VERB:FORM	7	10	1	41.18	87.50	46.05
U:VERB:TENSE	27	14	8	65.85	77.14	67.84
UNK	67	0	89	100.00	42.95	79.01