

SUPAR (UDPipe)								
	Experiment 1		Experiment 2		Experiment 3		Average	
	UAS	LAS	UAS	LAS	UAS	LAS	UAS	LAS
Greek (GDT)	91.73	89.04	91.68	88.98	91.23	88.71	91.55	88.91
Hindi (HDTB)	94.15	90.73	94.26	90.85	94.21	90.78	94.21	90.79
Polish (LFG)	94.83	92.53	94.68	92.27	94.70	92.10	94.74	92.30
Slovak (SNK)	89.28	84.03	89.69	84.81	90.04	85.06	89.67	84.63
Slovenian (SSJ)	90.67	88.36	91.05	88.81	91.26	89.02	90.99	88.73
Swedish (Talbanken)	87.84	84.44	87.88	84.66	87.33	83.76	87.68	84.29

SyntacticPointer (UDPipe)								
Evaluation values removing cycles	Experiment 1		Experiment 2		Experiment 3		Average	
	UAS	LAS	UAS	LAS	UAS	LAS	UAS	LAS
Greek (GDT)	90.25	87.28	89.85	86.59	90.14	87.03	90.08	86.97
Hindi (HDTB)	94.34	90.99	94.21	90.75	94.18	90.85	94.24	90.86
Polish (LFG)	94.45	91.58	94.36	91.42	94.20	91.25	94.34	91.42
Slovak (SNK)	87.83	82.32	87.38	81.59	87.83	82.47	87.68	82.13
Slovenian (SSJ)	89.96	87.58	90.40	87.96	90.09	87.77	90.15	87.77
Swedish (Talbanken)	87.23	83.86	87.47	84.01	87.40	83.91	87.37	83.93

DepToLabel (UD)								
	Experiment 1		Experiment 2		Experiment 3		Average	
	UAS	LAS	UAS	LAS	UAS	LAS	UAS	LAS
Greek (GDT)	86.72	82.87	86.45	82.78	86.73	82.98	86.63	82.88
Hindi (HDTB)	92.21	88.10	92.26	88.26	92.19	88.11	92.22	88.16
Polish (LFG)	91.45	87.70	91.39	87.69	91.49	87.81	91.44	87.73
Slovak (SNK)	82.20	76.88	82.15	77.26	82.20	77.18	82.18	77.11
Slovenian (SSJ)	85.10	81.69	85.06	81.64	84.68	81.27	84.95	81.53
Swedish (Talbanken)	83.26	78.58	83.14	78.46	82.84	78.35	83.08	78.46

Control Set								
	SuPar		SyntacticPointer		Difference		Error reduction (Syn. vs Su.)	
	UAS	LAS	UAS	LAS	UAS	LAS	UAS	LAS
(Average of 3 experiments)								
Greek (GDT)	91.55	88.91	90.08	86.97	1.47	1.94	14.78	14.91
Hindi (HDTB)	94.21	90.79	94.24	90.86	-0.04	-0.08	-0.64	-0.84
Polish (LFG)	94.74	92.30	94.34	91.42	0.40	0.88	7.06	10.29
Slovak (SNK)	89.67	84.63	87.68	82.13	1.99	2.51	16.15	14.02
Slovenian (SSJ)	90.99	88.73	90.15	87.77	0.84	0.96	8.56	7.85
Swedish (Talbanken)	87.68	84.29	87.37	83.93	0.32	0.36	2.51	2.24
Average	91.47	88.27	90.64	87.18	0.83	1.10	8.07	8.08
							8.87	8.55

Control Set								
	DepToLabel		SyntacticPointer		Difference		Error reduction (Syn. vs D2L.)	
	UAS	LAS	UAS	LAS	UAS	LAS	UAS	LAS
(Average of 3 experiments)								
Greek (GDT)	86.63	82.88	90.08	86.97	-3.45	-4.09	-34.74	-31.38
Hindi (HDTB)	92.22	88.16	94.24	90.86	-2.02	-2.71	-35.15	-29.62
Polish (LFG)	91.44	87.73	94.34	91.42	-2.89	-3.68	-51.09	-42.91
Slovak (SNK)	82.18	77.11	87.68	82.13	-5.50	-5.02	-44.62	-28.09
Slovenian (SSJ)	84.95	81.53	90.15	87.77	-5.20	-6.24	-52.83	-50.99
Swedish (Talbanken)	83.08	78.46	87.37	83.93	-4.29	-5.46	-33.93	-33.99
Average	86.75	82.65	90.64	87.18	-3.89	-4.53	-42.06	-36.16
							-41.59	-35.36

Error reduction (Su. vs D2L.)	
UAS	LAS
-58.12	-54.40
-34.29	-28.55
-62.57	-59.31
-72.47	-48.98
-67.14	-63.86
-37.37	-37.06
-55.33	-48.69

Error reduction (D2L. vs Su.)	
UAS	LAS
36.76	35.23
25.54	22.21
38.49	37.23
42.02	32.88
40.17	38.97
27.21	27.04
35.03	32.26

Error reduction (D2L. vs Syn.)	
UAS	LAS
25.79	23.89
26.01	22.85
33.81	30.03
30.85	21.93
34.57	33.77
25.33	25.37
29.39	26.31