Models made from the combinations of Features except Morphological ones

Sr. No	No. of Features	Features	Predicting?	SVM	Logistic Regression	SVM relative	Logistic Relation Relative	Averge over Models
1	6	W1 + POS1 + Chunk1 + W2 + POS2 + Chunk2	L/R/U	80.26	80.27	2.31	1.88	2.095
7	4	W1 + POS1 + W2 + POS2	L/R/U	80.16	80.23	2.21	1.84	2.025
10	4	W1 + Chunk1 + W2 + Chunk2	L/R/U	80.02	80.07	2.07	1.68	1.875
4	2	W1 + W2	L/R/U	77.95	78.39	0	0	0

Sr. No	No. of Features	Features	Predicting?	SVM	Logistic Regression	SVM relative	Logistic Relation Relative	Averge over Models
3	7	W1 + POS1 + Chunk1 + W2 + POS2 + Chunk2 + L/R	drel	76.51	73.05	2.99	4.65	3.82
12	5	W1 + Chunk1 + W2 + Chunk2 + L/R	drel	76.33	72.52	2.81	4.12	3.465
2	6	W1 + POS1 + Chunk1 + W2 + POS2 + Chunk2	drel	75.71	72.17	2.19	3.77	2.98
9	5	W1 + POS1 + W2 + POS2 + L/R	drel	75.78	72.01	2.26	3.61	2.935
11	4	W1 + Chunk1 + W2 + Chunk2	drel	75.48	71.56	1.96	3.16	2.56
8	4	W1 + POS1 + W2 + POS2	drel	75.09	71.17	1.57	2.77	2.17
6	3	W1 + W2 + L/R	drel	74.04	69.36	0.52	0.96	0.74
5	2	W1 + W2	drel	73.52	68.4	0	0	0

Best Models from above remade with Morphological features included

Sr. No	No. of Features	Predicting?	Features	SVM	Logistic Regression
13	8	L/R/U	W1 + POS1 + Chunk1 + Morph1 + W2 + POS2 + Chunk2 + Morph2	79.91	79.76
16	6	L/R/U	W1 + POS1 + Morph1 + W2 + POS2 + Morph2	79.61	79.72

Sr. No	No. of Features	Predicting?	Features	SVM	Logistic Regression
14	8	drel	W1 + POS1 + Chunk1 + Morph1 + W2 + POS2 + Chunk2 + Morph2	76.25	Not calculated
15	9	drel	W1 + POS1 + Chunk1 + Morph1 + W2 + POS2 + Chunk2 + Morph2 + L/R	76.89	Not calculated
17	7	drel	W1 + POS1 + Chunk1 + Morph1 + W2 + POS2 + Chunk2 + Morph2 + L/R	76.92	Not calculated

Cross Model Comparision b/w Features for

Cross Model Comparision b/w Features

SVM Relative for Arc Direction

SVM Relative for Dependency Relations

Logistic Regression Relative for Arc Direction

Logistic Regression Relative for Dependency