Preset SE based evaluation

Best config: Preset SE, Normalisierung, POS lookup, Scope Expansion

1	Standard	1.1 Baseline_window4_both	1.2 Baseline_one_rule	
F_SE	100	100	100	
Precision Shifter	**67.34**	42.13	30.59	
Recall Shifter	49.25	55.97	44.4	
F-Score Shifter	56.9	48.08	36.23	

(56.77 vor shifterLex-Revision 2)

POS-lookup spielt keine Rolle bei preset-se

No Scope Expansion

2	Standard		
F_SE	100		
Precision Shifter	69.33		
Recall Shifter	42.16		
F-Score Shifter	52.44	-4.46	(compared to best config)

With orientation lookup

3	Standard		
F_SE	100		
Precision Shifter	**70.30**		
Recall Shifter	43.28		
F-Score Shifter	53.58	-3.32	(compared to best config)

Only 1 verb rule: [obja,objd,objc,obji,s,objp-*]

4	Standard		
F_SE	100		
Precision Shifter	64.80		
Recall Shifter	47.39		
F-Score Shifter	54.74	-2.16	(compared to "best" config)

different verb rule for [subj] verbs: [subj,obja,objd,objc,obji,s,objp-*]

5	Standard		
F_SE	100		
Precision Shifter	64.42		
Recall Shifter	50.00		
F-Score Shifter	56.3	-0.6	(compared to "best" config)

different verb rule for [subj] verbs: [subj,obja,objd,objc,obji,s,objp-*] AND new rule for all other verbs: [obja,objd,objc,obji,s,objp-*,subj]

6	Standard		
F_SE	100		
Precision Shifter	62.33		
Recall Shifter	**53.73**		
F-Score Shifter	57.72	0.82	(compared to "best" config)

Only 1 verb rule: [obja,objd,objc,obji,s,objp-*,subj]

7	Standard		
F_SE	100		
Precision Shifter	65.37		
Recall Shifter	50		
F-Score Shifter	56.67	-0.23	(compared to "best" config)

verb rule [subj] and new rule for all other verbs: [obja,objd,objc,obji,s,objp-*,subj]

8 – new best	Standard		
F_SE	100		
Precision Shifter	64.84		
Recall Shifter	52.99		
F-Score Shifter	**58.32**	**1.42**	(compared to "best" config)

No Normalization (with new best config)

9	Standard		
F_SE	100		
Precision Shifter	67.46		
Recall Shifter	31.72		
F-Score Shifter	43.15	-15.17	(compared to **new** best config)

Lexicon based evaluation

Lexicon_standard: Lexicon, Normalisierung, POS lookup

10	10.0 Standard	10.1 Baseline_window4_both	10.2 Baseline_one_rule
F_SE	64.31	64.31	64.31
Precision Shifter	**47.06**	25.96	21.83
Recall Shifter	**32.84**	35.45	30.22
F-Score Shifter	**38.68**	29.97	25.35

Lexicon_no_POS: Lexicon, Normalization, No POS lookup

11	11.0 Standard
F_SE	**64.39**
Precision Shifter	46.81
Recall Shifter	**32.84**
F-Score Shifter	38.60

POS-lookup yields slight improvement

Lexicon_extended: germanlex_extended, Normalization, POS lookup

12	12.0 Standard	12.1 Baseline_window	12.2 Baseline_one_rule
F_SE	**85.01**	85.01	85.01
Precision Shifter	**55.90**	31.96	24.88
Recall Shifter	47.76	**49.25**	39.18
F-Score Shifter	**51.51**	47.06	30.43

Extending germanlex yields huge SE-improvements

Baseline window evaluation – find the best n

Preset-SE, Normalization
N=1	F-Score Shifter:	14.1
N=2	F-Score Shifter:	30.53
N=3	F-Score Shifter:	35.29
N=4	**F-Score Shifter:**	**35.56**
N=5	F-Score Shifter:	34.56
N=6	F-Score Shifter:	33.89

Both directions
N=1	F-Score Shifter:	29.19
N=2	F-Score Shifter:	46.15
N=3	F-Score Shifter:	47.46
N=4	**F-Score Shifter:**	**48.08**
N=5	F-Score Shifter:	48.06
N=6	F-Score Shifter:	47.82
N=7	F-Score Shifter:	47.51