

Polarity evaluation on layer 1 of mlsa data

Total number of sentences: 270

Counts total	+	-	0
Gold (mlsa):	69	110	91
Standard:	144	104	22
Standard 0.3 = 0	122	88	60
Standard 0.6 = 0	112	74	84
No Shifter:	137	109	24
No Shifter 0.3=0:	119	94	57
No Shifter 0.6=0:	110	81	79
Negation only:	140	107	23
Negation only 0.3	118	92	60
Negation only 0.6	108	78	84

Goldstandard

Standard bachelor system config

Standard config, but sentence-polarity values of 0.3 and below are counted as 0 instead of + or -.

Standard with empty shifter lexicon

Standard but negations only in shifter lexicon

System	Acc	"+"			"-"			"0"			Average		
		P	R	F	P	R	F	P	R	F	P	R	F
Standard	49.63%	39.58%	82.61%	53.52%	63.46%	60.00%	61.68%	50.00%	12.09%	19.47%	51.01%	51.57%	51.29%
Standard 0.3 = 0	50.37%	41.80%	73.91%	53.40%	67.05%	53.64%	59.60%	43.33%	28.57%	34.44%	50.73%	52.04%	51.38%
Standard 0.6 = 0	51.11%	45.54%	73.91%	56.35%	68.92%	46.36%	55.43%	44.05%	40.66%	42.29%	52.83%	53.65%	53.24%
No Shifter	48.89%	39.41%	78.26%	52.43%	59.60%	59.09%	59.36%	54.17%	14.29%	22.61%	51.06%	50.55%	50.80%
No Shifter 0.3=0:	49.63%	42.02%	72.46%	53.19%	62.77%	53.64%	57.84%	43.86%	27.47%	33.78%	49.55%	51.19%	50.36%
No Shifter 0.6=0:	51.11%	45.45%	72.46%	55.87%	65.43%	48.18%	55.50%	44.30%	38.46%	41.18%	51.73%	53.04%	52.37%
Negation only	49.26%	39.29%	79.71%	52.63%	61.68%	60.00%	60.83%	52.17%	13.19%	21.05%	51.05%	50.97%	51.01%
Negation only 0.3=0	50.37%	41.53%	71.01%	52.41%	65.22%	54.55%	59.41%	45.00%	29.67%	35.76%	50.58%	51.74%	51.16%
Negation only 0.6=0	52.22%	45.37%	71.01%	55.37%	69.23%	49.09%	57.45%	45.24%	41.76%	43.43%	53.28%	53.95%	53.62%
All Negative Baseline:	40.74%	0.00%	0.00%	0.00%	40.74%	100.00%	57.89%	0.00%	0.00%	0.00%	13.58%	33.33%	19.30%

Evaluation with mlsa SE-lexicon:

Counts total	+	-	0
Gold (mlsa):	69	110	91
Standard:	123	130	17
Standard 0.3 = 0	108	112	50
Standard 0.6 = 0	97	92	81
No Shifter:	121	129	20
No Shifter 0.3=0:	105	115	50
No Shifter 0.6=0:	93	94	83
Negation only:	123	131	16
Negation only 0.3	109	117	44
Negation only 0.6	98	97	75
All polarity values 1.0	114	110	46

Goldstandard

Standard bachelor system config

Standard config, but sentence-polarity values of 0.3 and below are counted as 0 instead of + or -.

Standard with empty shifter lexicon

Standard but negations only in shifter lexicon

System	Acc	"+"			"-"			"0"			Average		
		P	R	F	P	R	F	P	R	F	P	R	F
Standard	52.96%	45.53%	81.16%	58.33%	62.31%	73.64%	67.50%	35.29%	6.59%	11.11%	47.71%	53.80%	50.57%
Standard 0.3 = 0	52.96%	47.22%	73.91%	57.63%	66.07%	67.27%	66.67%	36.00%	19.78%	25.53%	49.76%	53.66%	51.64%
Standard 0.6 = 0	55.93%	49.48%	69.57%	57.83%	73.91%	61.82%	67.33%	43.21%	38.46%	40.70%	55.54%	56.61%	56.07%
Standard 0.7 = 0	54.81%	49.44%	63.77%	55.70%	76.25%	55.45%	64.21%	42.57%	47.25%	44.79%	56.09%	55.49%	55.79%
No Shifter	52.22%	42.98%	75.36%	54.74%	62.79%	73.64%	67.78%	40.00%	8.79%	14.41%	48.59%	52.60%	50.51%
No Shifter 0.3=0:	53.33%	44.76%	68.12%	54.02%	66.96%	70.00%	68.44%	40.00%	21.98%	28.37%	50.57%	53.36%	51.93%
No Shifter 0.6=0:	54.81%	45.16%	60.87%	51.85%	74.47%	63.64%	68.63%	43.37%	39.56%	41.38%	54.33%	54.69%	54.51%
Negation only	53.70%	45.53%	81.16%	58.33%	62.60%	74.55%	68.05%	43.75%	7.69%	13.08%	50.62%	54.47%	52.47%
Negation only 0.3=0	53.70%	46.79%	73.91%	57.30%	65.81%	70.00%	67.84%	38.64%	18.68%	25.19%	50.41%	54.20%	52.24%
Negation only 0.6=0	56.30%	47.96%	68.12%	56.29%	73.20%	64.55%	68.60%	45.33%	37.36%	40.96%	55.50%	56.67%	56.08%
All Negative Baseline:	40.74%	0.00%	0.00%	0.00%	40.74%	100.00%	57.89%	0.00%	0.00%	0.00%	13.58%	33.33%	19.30%
All polarity values 1.0	52.96%	45.61%	75.36%	56.83%	67.27%	67.27%	67.27%	36.96%	18.68%	24.82%	49.95%	53.77%	51.79%

Evaluation with mlsa SE-lexicon and no neutral sentences:

Counts total	+	-	0
Gold (mlsa):	69	110	0
Standard:	78	90	11
No Shifter:	76	91	12
Negation only:	79	91	9
All polarity values 1.0	70	80	29

Goldstandard without neutral sentences

Standard bachelor system config

Standard with empty shifter lexicon

Standard but negations only in shifter lexicon

System	Acc	"+"			"-"			"0"			Average		
		P	R	F	P	R	F	P	R	F	P	R	F
Standard	76.54%	71.79%	81.16%	76.19%	90.00%	73.64%	81.00%				80.90%	77.40%	79.11%
No Shifter	74.30%	68.42%	75.36%	71.72%	89.01%	73.64%	80.60%				78.72%	74.50%	76.55%
Negation only	77.09%	70.89%	81.16%	75.68%	90.11%	74.55%	81.59%				80.50%	77.85%	79.15%
All polarity values 1.0	70.39%	74.29%	75.36%	74.82%	92.50%	67.27%	77.89%				83.39%	71.32%	76.88%