

| | Semcor | | | Senseval3 | | |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Method | Precision | Recall | F1 | Precision | Recall | F1 |
| Random | 38.2 | 43.0 | 40.4 | 35.8 | 42.1 | 38.7 |
| Baseline | 63.9 | 69.3 | 66.5 | 60.1 | 68.7 | 64.1 |
| HMM | 76.7 | 70.5 | 77.7 | 67.6 | 73.7 | 70.5 |
| CRF | 80.3 | 80.2 | 80.2 | - | - | - |
| MLP | 82.0 | 81.9 | 81.6 | 83.6 | 79.7 | 81.2 |
| LSTM | 82.1 | 82.6 | 82.1 | 83.8 | 81.9 | 82.5 |
| bi-LSTM | 83.5 | 84.2 | 83.6 | 84.6 | 82.9 | 83.3 |
| bi-LSTM (FR) | 84.8 | 85.0 | 84.7 | 85.8 | 82.8 | 84.0 |
| bi-LSTM (DE) | 85.2 | 85.2 | 85.0 | 86.2 | 82.7 | 84.1 |
| bi-LSTM (CS) | 84.9 | 85.0 | 84.7 | 85.9 | 82.8 | 84.1 |
| bi-LSTM (FI) | 85.0 | 85.1 | 84.8 | 85.9 | 82.4 | 83.9 |
| bi-LSTM (average) | 85.0 | 85.1 | 84.8 | 86.0 | 82.7 | 84.0 |