

| English-NER | F1 |
|-------------------------------------|--------------|
| Combination of HMM, Maxent etc. | 88.76 |
| Semi-supervised model combination | 89.31 |
| Conv-CRF (Senna + Gazetteer) | 89.59 |
| CRF with Lexicon Infused Embeddings | 90.90 |
| BiLSTM-CRF (Senna) | 90.10 |
| BiLSTM-CRF | 90.94 |
| BiLSTM-CNNs-CRF | 91.21 |
| Iterated Dilated CNNs | 90.65 |
| CNN-CNN-LSTM | 90.89 |
| BiLSTM (our implementation) | 88.23 |
| MO-BiLSTM (this work) | 90.70 |