

CS 325 HW3

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The task for this homework is to add features in NER in order to produce a better result. In my NERrecognizer, I set the learning rate value to be 0.000001 since a small learning rate allows perceptron to generate a better hyperplanes for classification. For the perceptron, I choose the subgradient perceptron to implement my NER task.

For the FeatureExtractor, I add some features just as last homework. I add the previous 5 words, current word and next 3 words to the feature list. In addition, I also add the previous 3 position, current position, and next 3 position to the list.

Based on the changing on NERrecognizer and adding features to featureExtractor, my result is increasing to 96%