

Assignment#5 Write - up  
Yuqian Zhang  
N19945556

In my FeatureBuilder class, I tested out by using curToken, curPOS, prePOS, postPOS, preCur, curPost and preTag as features could give me relatively high score in the result. After running the program, I have the best result as following.

Evaluate the results.

Total tokens = 32853

Tokens with correct tag = 31809

Accuracy = 96.82

8378groups in key

8444groups in response

7775correct groups

Precision = 92.08

Recall = 92.8

F-measure = 92.44

I also tried to use Viterbi to implement the MEmag, but the result is much lower than expected. Considering that the score I got might be misleading due to the assumption of perfect part-of-speech tagging, I replaced the original WSJ\_24.pos file with my result of assignment#4. And finally got the following result. All standard values are relatively lower than previous ones.

Evaluate the results.

Total tokens = 32853

Tokens with correct tag = 31213

Accuracy = 95.01

8378groups in key

8330groups in response

7423correct groups

Precision = 89.11

Recall = 88.6

F-measure = 88.86