

NLP ASSIGNMENT 4 - Implement and train a part-of-speech tagger using the Viterbi algorithm

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Methods Used:

Additional methods used to improve accuracy -> Handled unknown words.

Id	Method Used	Validation_Set_Accuracy	Improvement %
1	HMM_Viterbi (Baseline with Most Probable PoS)	91.34 %	–
2	HMM_Viterbi (Baseline with Overall PoS Distribution)	94.51 %	+ 3.17%
3	HMM_Viterbi (Baseline with Hapax legomena open word classes)	94.88 %	+ 3.54%

References:

I used the techniques mentioned in this paper:

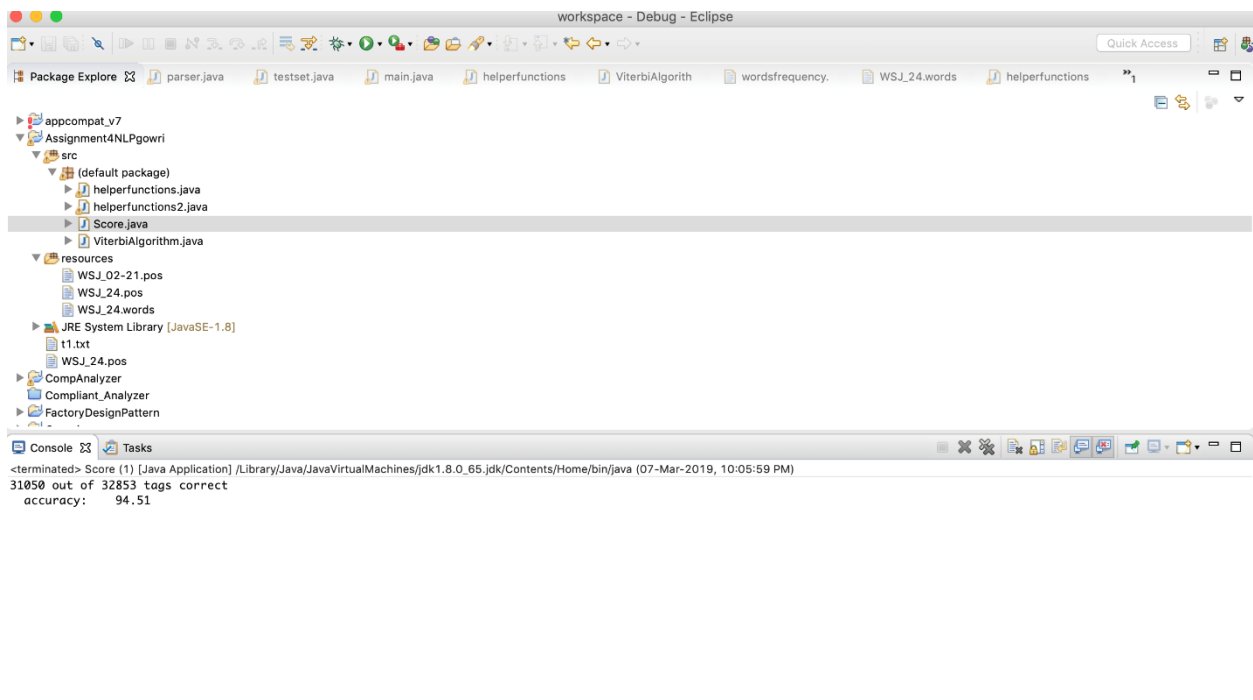
<http://cl.lingfil.uu.se/~nivre/statmet/haulrich.pdf>

Screenshots:

1.



2.



3.

