LING 570: Hw6

- Q1 (15 points): Write a script, create_2gram_hmm.sh, that takes the annotated training data as input and creates an HMM for a bigram POS tagger with NO smoothing.
 - \Rightarrow See create_2gram_hmm.pl

See slide #7 on 11_04_POS_p2.pdf, each state in the output_hmm corresponds to a tag (a.k.a. a POS tag or BOS or EOS).

- Q2 (30 points): Write a script, create_3gram_hmm.sh, that takes the annotated training data as input and creates an HMM for a trigram POS tagger WITH smoothing.
 - \Rightarrow See create_3gram_hmm.pl

See slide #9 on 11_04_POS_p2.pdf, each state in the output_hmm corresponds to a tag **pair** (a tag is a POS tag or BOS or EOS).

- Q3 (40 points): Write a script, check_hmm.sh, that reads in a state-emission HMM file, check its format, and output a warning file.
 - \Rightarrow See check_hmm.pl and hmm.pm
- Q4 (15 points): Run the following commands and turn in the files generated by the commands:

 ⇒ See 2g_hmm* and 3g_hmm*