

I have tried a bigram model with smoothing and a general trigram model in this assignment. The training perplexity for the bigram is 31005 and testing-without oov perplexity is 29451, and with oov 31602. The training perplexity for the trigram is 22822, testing-without oov perplexity is 24358, and with oov 28458. It is obvious that the trigram has a better performance in perplexity comparing to the bigram. The percent correctness in jumbled sentences for bigram and trigram are both 0.06%.