

Abstract

Sentence compression is choice of important words in one sentence and make these words to be concise sentence or otherwise eliminate unnecessary words and arrange the rest. Goal of final project is analyze performance of conditional random fields on noisy channel model for sentence compression. After implementation, grammatical of test sentences are influenced by language model and translation model, importance of test sentences are influenced by bigram model, and similarity of test sentences are influenced by all of three model. The better of language model and translation model will produce a high value of grammatical score as well as the bigram model that will affect the value of importance score. And for similarity parameter, if all of three model produce a good model then it will show a high similarity value or sentence compression obtained approximately equal to human summaries.

Keywords : Sentence compression, Noisy channel model, Conditional random fields, Grammatical, Importance, Similarity