

Research on integrating Giza++ into Moses for Vietnamese-English sentence translation setup

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Abstract: In the context of increasing demand for translation in the field of information technology, this topic focuses on researching and integrating Giza++, a phrase-based statistical machine translation tool, into the Moses system to deploy a Vietnamese-English sentence translation service. The objective of the study is to improve translation quality by optimizing the dictionary learning process. The experimental method is applied by comparing translation performance before and after integrating Giza++ into the Moses system. The expected results will determine the effectiveness of this method in enhancing the quality of machine language services.

Keywords: machine translation, Giza++, Moses, word statistics, translation quality improvement