

Improving the performance and quality of the Moses statistical machine translation system

Luong Thanh Tung

Abstract: This topic focuses on improving the performance and quality of a Machine Translation (MT) system using the Moses statistical model. The context is the strong development of natural language technology in practical applications, but there are still many limitations in translation accuracy and fluency. The objective of the topic is to build and optimize methods to enhance translation performance by improving existing models and applying new techniques. Through theoretical research combined with experimentation, the topic is expected to provide useful solutions for the field of machine translation, contributing to improving the quality of language services in the increasingly developing digital platform.

Keywords: Improving performance, Machine Translation (MT), automatic translation system, optimizing the Moses model