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Review of Similarity measures in machine translation

Abstract: Sentence similarity measure has continued to play an increasingly important role in text-related research and applications in areas such as text mining, machine translation, web page retrieval and, text categorization. Different methods for computing sentence similarity exist and have been adopted from approaches used for long text documents. These methods process sentences in a very high-dimensional space and some are consequently inefficient, require human input, and are not adaptable to some application domains. This paper focuses on reviewing different work done on similarity measures between sentences. Reviewing present algorithms that take account of semantic information and word order information implied in the sentences.

Keywords: sentence similarity, algorithms, semantics, machine translation

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