Pattern Recognition System for Translating the English Sentence into Hindi

Abstract

In the present work a model is proposed which deals with specifying the pattern for translating the English sentences into Hindi. Here a Vector Space based translation model has been proposed that transforms a Vector Space by graphical representation of text that addresses the issues of manual, automatic and adaptive strategies by incorporating the selection preferences for word argument positions. Vector Space Model (VSM) represents documents and queries usually as Vectors, Matrices or Tuples. The similarity of the Query Vector and Document Vector is represented as a scalar value. This model constructs a sentence graph for a given sentence and applies structural parsing on this sentence. The quality of a system is measured by considering its usefulness for typical users of the system. The recent development of related techniques stimulates new modeling and estimation methods that are beyond the scope of the traditional approaches. Keywords: Pattern Recognition, Vector Space Model, Mathematical Model.

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Index Terms

Computer Science

Artificial Intelligence

Keywords

Pattern Recognition Translation Model.