Abstract

Sentence similarity plays an important role in the field of natural language processing where it can be used for information processing, text mining and online question answering portals. Among all these applications sentence similarity is one of the most critical issues which has attracted the attention of many researchers. In this paper, a system which automates the process of subjective answer checking with high accuracy is proposed. Answer assessment system is an arrangement where answers given by users are matched with the stored answers in question answer database to judge their correctness. The main focus here is to improve the similarity of user’s answer with the stored answer in question answer database. In addition to this, the intention is to remove the mistakes from answer checking process through automated system. For experimental purpose a set of questions and their answers have been taken and these questions have been answered by a random user. Results show that the method gives higher accuracy as compared to original method. Proposed method makes question answering process fast and efficient.
- J. Allan, C. Wade, and A. Bolivar, "Retrieval and novelty detection at the sentence level", in Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval - SIGIR '03, 2003, pp. 314–321.

Index Terms

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Keywords
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