Novel approach to Case Based Reasoning System by aggregating Semantic Similarity Measures using Fuzzy Aggregation for Case Retrieval

Abstract

Natural language Search is used in Case Based Reasoning Systems for searching the solution to the novel problem. This paper presents the model of case based reasoning system that uses the semantic based case retrieval agent to compare two short texts. The proposed method includes algorithms which calculate semantic similarity evaluated using different wordnet based semantic similarity measures and fuzzy aggregation. Based on the result, the proposed approach outperforms the results of previous approaches.

References


**Index Terms**

Computer Science Fuzzy Systems
Novel approach to Case Based Reasoning System by aggregating Semantic Similarity Measures using Fuzzy Aggregation.

Keywords

Case Based Reasoning Systems (CBR), Wordnet based semantic similarity measures, PATH, LCH, WUP, RES, JSN, LIN, Fuzzy Aggregation.