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
Keywords

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