Abstract

The main challenge in the area of Information Retrieval (IR) and Natural Language Processing (NLP) is the characteristics of synonymy and polysemy that exist in words of natural language. The capability of natural language interfaces to the semantic search engine can be improved by both the knowledge extraction and semantic data. The combining of information can make the integration and sharing of distributed data sources easily. This will assist the user to have the required information efficiently and easily. In this paper, some concerns of evolving algorithm to capture the semantic similarity among sentences based on WordNet semantic dictionary is presented. The proposed algorithm will be relying on a number of resources including Ontology and WordNet.

Index Terms

Computer Science Artifical Intelligence

Keywords

Annotation metadata Ontology Semantic Web server XML RDF and OWL