Abstract

The paper proposes a multi-view information retrieval model. The model has the ability to deal with the multi-field topics problem using a predefined multi-field or multi-view fuzzy ontology. Respecting the natural relationship between concepts and terms, the model enhances the recall measure compared with previously proposed fuzzy ontology-based information retrieval models. It also proposes a ranking algorithm that ranks a set of relevant documents according to some criteria such as their relevance degree, confidence degree, and updating degree.

References

Semantic Information Retrieval Model: Fuzzy Ontology Approach


Index Terms

Computer Science

Information Sciences

Keywords

Information Retrieval  Fuzzy ontology-based information retrieval  fuzzy ontology