Abstract

This paper presents a methodology for the ontology based semantic annotation of web pages with annotation weighting scheme that takes advantage of the different relevance of structured document fields. The retrieval model is based on the importance factors of the structural elements, which are used to re-rank the documents retrieval by the ontology based distance measure. The relevance concept similarity are combined with the annotation-weighting scheme to improve the relevance measures. The proposed method has been evaluated on USGS Science directory collection. Preliminary experiments results show that our method may generate relevant document in the top rank.

Reference

Ontology based Similarity Measure in Document Ranking

Heidelberg (DE), 2007, isbn: 3-540-49611-4


Index Terms

Computer Science

Information Retrieval

Key words

Ontology

Annotation

Semantic Search
Document Ranking