Abstract

Ranking models are used by Web search engines to answer user queries based on key words. Traditionally ranking models are based on a static snapshot of the Web graph, which is basically the link structure of the Web documents. The visitor’s browsing activities is directly related to importance of the document. However in this traditional static model the document importance on account of interactive browsing is neglected. Thus this model lacks the ability of taking advantage of user interaction for document ranking. In this paper we propose a model based on semantic web to improve the local ranking of the Web documents. This model works on Ant Colony algorithm to enable the Web servers to interact with Web surfers and thus improve the local ranking of Web documents. The local ranking then can be used to generate the global Web ranking.
Reference

- Dean, W3C reference on OWL, W3C document, 2004

Index Terms

Computer Science
Information Retrieval

Key words

Web mining
Ranking algorithm