Abstract

Web usage data is extensively used in every domain to analyze the browsing behavior of the users who visited the website or search engines. Web usage data is contained in server logs called as Web Logs. This data enables the website owners to infer the needs and interests of the users for using this information to increase the revenue from their web business. The website owners employ recommender systems for this purpose. The recommender systems exploit web usage data to predict what web pages the user will visit next and therefore offer the recommendations for those very pages to the user and offers them support while browsing. This in turn helps users to have a better browsing experience, personalized support and hence, probability of user buying out the products from that website increases. Web usage mining alone is used in traditional recommender systems. Modern recommender systems employ semantic knowledge base i.e. domain knowledge in addition to web usage mining for efficient prediction of pages as this helps in avoiding the new page problem. This paper presents a comparative and comprehensive study of modern and traditional recommender systems.
References

Importance of Domain Knowledge in Web Recommender Systems

Communications Technologies (ICCCT) IEEE, pp. 1-6, 2014.

Index Terms

Computer Science

Information Sciences

Keywords

Semantic Knowledge; Domain Knowledge; Web Usage Data; Personalized Services.