Abstract

Identification of opinion leader is very important in this world of internet because with the identified opinion leaders in any application area such as Knowledge related sites, followers or other individuals can get valuable information more efficiently through direct communication with opinion leader. Internet i.e. WWW (World Wide Web) is the huge and very popular way of information broadcasting and communication. This huge www has so many web structures and within one structure there would be millions of web resources (contents, links) may exist. There are large numbers of webpages on the web which are linked to each other through hyperlinks. So, graph based techniques can be used to identify opinion leader i.e. techniques for ranking the results to provide the "best" results first. Different algorithms are there which are used for link analysis i.e. for ranking the web pages like PageRank (PR), Weighted PageRank (WPR), Hyperlink-Induced Topic Search (HITS), Spamming Resistant Expertise Analysis and Ranking (SPEAR) etc. This paper is focused on the study of different ranking techniques. Further this paper shows advantages, limitations and comparison of these techniques.
References

10. Xianchao Zhang, Hong Yu, Cong Zhang, and Xinyue Liu, “An Improved Weighted HITS Algorithm Based on Similarity and Popularity", Second International Multisymposium on Computer and Computational Sciences, 2007 IEEE
11. Ching-man Au Yeung, Michael G. Noll, Nicholas Gibbins, Christoph Meinel, Nigel Shadbolt, "SPEAR: SPAMMING-RESISTANT EXPERTISE ANALYSIS AND RANKING IN COLLABORATIVE TAGGING SYSTEMS", Computational Intelligence, Volume 99, Number 000, 2009
13. Lincheng Jiang, Bin Ge, Weidong Xiao, Mingze Gao, “BBS Opinion Leader Mining Based on An Improved PageRank Algorithm Using MapReduce,” 2013 IEEE.
16. Haseena Rahmath P,” Opinion Mining and Sentiment Analysis - Challenges and
Applications,“ International Journal of Application or Innovation in Engineering & Management (IJAIE), Volume 3, Issue 5, May 2014, ISSN 2319 – 4847.


Index Terms

Computer Science Algorithms

Keywords

WWW (World Wide Web), Opinion leader, PageRank (PR), Weighted PageRank (WPR), Hyperlink-Induced Topic Search (HITS), Spamming Resistant Expertise Analysis and Ranking (SPEAR).