Abstract

In modern era every organization depends on internet to conduct business and as a result of that many hidden data are available in several log files of servers; which could serve many purposes in business and that give the birth of web mining field. Web Mining could useful for many applications in business but this paper focuses on web caching and prefetching application to reduce latency while accessing internet. The common problem in organization is; in spite of sufficient internet bandwidth; sometimes users feel delay while accessing several pages. The problem could be solved out by developing predictive model based on web caching and prefetching criteria and many research have been done using Markov based predictive model to reduce access latency while using internet. This paper focuses on quantitative study of Markov based predictive model for web caching and prefetching to determine limitations of Markov Model on prediction perspectives.

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Quantitative Study of Markov Model for Prediction of User Behavior for Web Caching and Prefetching Purpose

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**Index Terms**

Computer Science  
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**Keywords**

Markov Model  
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