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Mining Web Usage Using FRS

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PROCEEDINGS 2018 INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGY FOR THE MUSLIM WORLD (ICT4M)

Book Group Author(s): IEEE

Book Series: International Conference on Information and Communication Technology for the Muslim World

Pages: 301-304

DOI: 10.1109/ICT4M.2018.00062

Published: 2018

Document Type: Proceedings Paper

Conference

Conference: International Conference on Information and Communication Technology for the Muslim World (ICT4M)

Location: Kuala Lumpur, MALAYSIA

Date: JUL 23-25, 2018

Abstract

Web Usage Mining (WUM) is the application of data mining methods in extracting potentially useful information from web usage data. Its application includes improving website design, personalised service, target marketing etc. Among the outstanding research issues in WUM include inefficiency in mining large weblogs, extracted patterns that are not representative of actual user behavior, and mining results which are too general, uninteresting and lack insights.

This paper attempts to address the above problems using a method of mining that captures user traversing activities more effectively based on the notion of regularity. A mining algorithm is introduced using the approach of vertical database. The experiments suggest that the method is efficient, scalable, and able to address confusion caused by large number of extracted patterns.

Keywords

Author Keywords: web mining; web usage mining; data mining; sequential pattern; machine learning

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Publisher

IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA

Categories / Classification

Research Areas: Computer Science; Telecommunications

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