Abstract

ABSTRACT

Web mining is used to extract the useful information from the web documents and services. Web usage mining is the automatic discovery of user access pattern from web servers. Organizations collect a large volume of data in their daily operations, generated automatically by web servers and collected in server access logs. The web pages and links present in the World Wide Web helps the user to gather required information. The process of mining the weblogs to obtain the accurate results and the pattern prediction of the navigation are irrefutably vital for tuning up websites. This work aims at improving the prediction of navigation pattern which in turn helps in efficient web page caching. The existing strategies such as DBscan and FP-growth are experimented and an attempt has been made to improve the prediction using Flame algorithm, which has been applied in the area of sequential pattern mining. The experiments show that the Flame algorithm improves the navigation pattern prediction in web usage mining.