

HYBRID METHODOLOGY TO ANALYZE WEB USER BEHAVIOR IN WEB MINING AND FUZZY NETWORKS

N. PUSHPA LATHA¹, K. V. N BHANU PRAKASH² & K. VENKATESWARA REDDY³

¹Assistant Professor, Marri Laxman Reddy Institute of Technology & Management, Dundigal, Hyderabad, India
²Department of CSE, Marri Laxman Reddy Institute of Technology & Management, Dundigal, Hyderabad, India
³Principal, Marri Laxman Reddy Institute of Technology & Management, Dundigal, Hyderabad, India

ABSTRACT

Web mining refers to the use of data mining techniques to automatically retrieve, extract and evaluate (generalize/analyze) information for knowledge discovery from Web documents and services. Web data is typically unlabelled, distributed, heterogeneous, semi-structured, time varying, and high dimensional. Categorizing the end user in the web environment is a mind numbing task. Huge amount of operational data is generated when end user interacts in web environment. This generated operational data is stored in various logs and may be useful source of capturing the end user activates.

Log files contain information about User Name, IP Address, Time Stamp, Access Request, number of Bytes Transferred, Result Status, URL that Referred and User Agent. The log files are maintained by the web servers. By analyzing these log files gives a neat idea about the user. This paper gives a detailed discussion about these log files, their formats, their creation, access procedures, their uses, various algorithms used and the additional parameters that can be used in Role mining algorithms to address an important access control problem: configuring a role-based access control system. Given a direct assignment of users to permissions, role mining discovers a set of roles together with an assignment of users to roles.

KEYWORDS: Web Data, IP Address, Using HTTP, URL