Abstract

Web Usage Mining used to extract knowledge from WWW. Nowadays interaction of user towards web data is growing, web usage mining is significant in effective website management, adaptive website creation, support services, personalization, and network traffic flow analysis and user trend analysis and user’s profile also helps to promote website in ranking. Agglomerative clustering is a most flexible method and it is also used for clustering the web data in web usage mining, there are do not need the number of clusters as a input. Agglomerative have many drawbacks such as initial error propagation, dimensionality, complexity and data set size issues. In this paper we have introduced solution for data set size problem that helpful for information retrieve from large web data, web log data files are as a input for agglomerative clustering algorithms and output is efficient clustering that will be used further for information extraction in web usage mining.

References

Agglomerative Clustering in Web Usage Mining: A Survey

- http://www.chegg.com/homeworkhelp/definitions/optimization-29
- Osmar R. Zaiane, Andrew Foss, Chi-Hoon Lee, and Weinan Wang, "On Data Clustering Analysis: Scalability, Constraints and Validation."
- Selim Mimaroglu and A. Murat Yagc, "A Binary Method for Fast Computation of Inter and Intra Cluster Similarities for Combining Multiple Clusterings."
- Jiawei Han, Micheline Kamber, "Data Mining: Concepts and Techniques."
- Bruce Walter, Kavita Bala, Milind Kulkarni, Keshav Pingali, "Fast Agglomerative Clustering for Rendering."
- Hans-Peter Kriegel, Martin Pfeifle, "Density-Based Clustering of Uncertain Data."

Index Terms

Computer Science

Artificial Intelligence
Keywords

Web Usage Mining  Clustering  Agglomerative Clustering