



SURVEY ARTICLE

A Survey on k-Means Clustering Algorithm Using Different Ranking Methods in Data Mining

Amar Singh¹, Navjot Kaur²

¹Student of Computer and Science Engineering, Shri Guru Granth Sahib World University, Fatehgarh Sahib, India

²Assistant Professor, Computer and Science Engineering, Shri Guru Granth Sahib World University, Fatehgarh Sahib, India

¹ *er.amar25@gmail.com*; ² *navjot_anttal@yahoo.co.in*

Abstract— As the volume of information on the internet is increasing day by day so there is a challenge for website owner to provide proper and relevant information to the internet. So it is the duty of the service provider to provide the relevant and good information to the internet user when they submit query to the search engine. To support the user to move in the result list various ranking methods are used. In this paper, we choose Page Ranking Method called Weighted Page Rank Algorithm which is based on the popularity of the page by taking the importance of both the inlinks and outlinks of the pages. After that we use time rank algorithm for improving the weighted page rank score by using the visit time of the web page. So this concept is very useful to display most valuable pages on the top of the result list.

Key Terms: - Web mining; Clustering; K-means, Page rank; Weighted Page rank; Time Rank Algorithm

Full Text: <http://www.ijcsmc.com/docs/papers/April2013/V2I4201348.pdf>