

Role of Data Mining and Data Warehousing for Future Libraries

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Abstract

Libraries generate, accumulate, and disseminate information to its readers and users in the desired format and at the desired location. The process of using library data more effectively begins by discovering ways to connect the sources of data created by Libraries. The concept of data warehousing and data mining can assist library management in making decisions and setting policies, and can assist the library's parent organization or community in understanding the information needs of its members. Data mining is the process of analyzing data from different perspectives and summarizing it into useful information. Data mining provides knowledge by uncovering valuable information that can be used for various purposes in different areas of applications. Using various techniques of data mining such as association rules, decision trees, and cross tabulation can help discover this unused information. The scope of this paper is to discuss the role and importance of data warehousing and data mining in making the libraries of the future. This paper first discusses the concept of data warehousing, its characteristics, and its uses. Further, the paper also discusses the concept of data mining and its use in library and information services.

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