

Optimization and Realization of Decision Mechanism of Library in Big Data Environment

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Abstract: The former rear education decision-making mechanism can not meet the requirements of the times. With the emergence of big data technology, the development of educational decision-making mechanism is flooding into new opportunities. Big data is a method for decision-makers to grasp decision-making information timely and accurately, and problems found in complex environment. In order to solve the possible comprehensive guidance of decision-makers, it can provide educational decision-making to promote standardization and scientization. At the same time, promote the continuous optimization of educational decision-making mechanism. Among them, the dilemma faced by today's education decision-making mechanism is analyzed. From the perspective of big data, the optimization of education decision-making mechanism provides several programs, the optimization of education decision-making mechanism, and the implementation path of several proposals for promoting big data.

1. Introduction

Now, the era of big data has come. That's what McKinsey, the world famous consulting firm, says. People's excavation and use of mass production, the growth of productivity and the new wave of consumer surplus, plus Barabbas, the world authority of complex network research, written in the book: "too late" and "human action, 93% of the huge user resources and data collection, processing, analysis and judgment can be. Accurately predict the changes of user demand and service mode, and provide efficient, accurate, economic and convenient services for users. with the advent of the era of big data, big data resources have become an important part of database productivity. Collect, keep, process and lead behaviors. Through data analysis database, it can accurately predict action characteristics. Readers need to change [1]. In science, schedule, resource allocation of library service, attribute of continuous value and improvement and expansion of personalized service for readers. In addition, big data analysis of readers' behavior is also the key to identify readers' deep understanding of reading experience and expectations of readers' service, reliable reader service and CRM strategic formulation, readers' QoS and reading satisfaction.

2. The Restriction of Decision-Making Ability of decision-Making Subject in Library

The decision-making quality of library is influenced by decision-making ability and decision-making ability. With the establishment of modern library management system, how to improve the decision-making level of the library, people begin to pay attention to the knowledge and industry of the library. In fact, the decision-making activities carried out by the decision-making subject library often lead to the decision-making errors caused by the lack of professional ability of the decision-making subject. This is mainly due to the low professional quality of decision-makers. Under the influence of traditional decision-making mechanism and thinking mode, decision-makers' decision-making behavior is often not scientific enough. In the process of implementing the top-down decision-making system, the decision-makers can not guarantee the quality of decision-making because of their decision-making. Even in today's decision-making, data analysis and questionnaire survey are often used. Due to the limited sample size and static nature of data, it is difficult for

decision-makers to grasp the information of decision-makers and conduct dynamic tracking. First, the decision-maker has a strong ability to predict the decision-making plan and implementation effect. With the continuous development and change of social economy, the decision-makers of library are facing more and more complex decision-making environment[2]. This is to enable decision makers to predict various uncertain factors in advance, take countermeasures and control in advance, and confirm whether to accept the decision plan. Appoint. However, due to the limited decision-making ability of decision-makers and the lack of effective information analysis, it is not conducive to the effective implementation of Library decision-making.

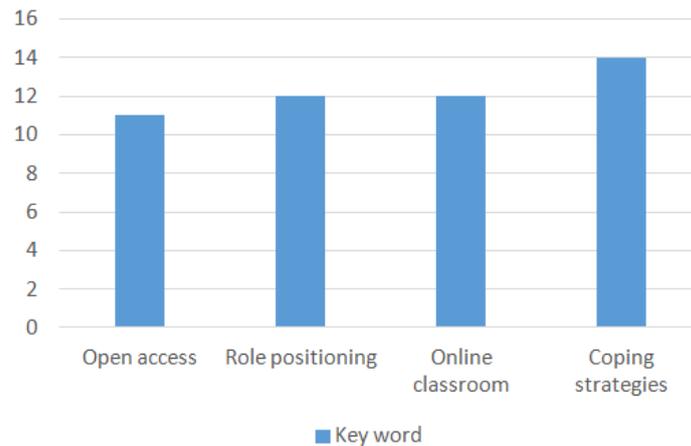


Figure 1 Keyword statistics

3. Library Decision Process: the Integration of Data Rationality and Collective Wisdom

Through the continuous integration of the library manager and large-scale data technology, the library manager can collect and analyze the data information in the process of daily management and service, and build a prediction model based on data analysis. Realize the library decision-making process based on big data. The decision-making process of Library in big data environment is a dynamic and open system. For the purpose of Library decision-making, the external environmental factors such as the effectiveness of information, the change of users' demand and the utilization of resources will affect the quality of decision-making. First, text analysis and knowledge discovery technology use a large number of data information to extract valuable information. The integration and optimization of different library business data and information resources can be formed. Second, establish the prediction model. According to the perception of various problems that may be encountered between the operations of the library, the problems that can be analyzed and effectively overloaded by the library or insufficient decision-making information can be solved. In the decision-making process of the library, the organizational structure of the graphic design decision-making is the majority that can be mobilized by all the stakeholders of the Library Participating in the decision-making, and to improve the science and effect of the decision-making so as to make the collective wisdom, please use[3]. It shows that in the selection of Library decision-making procedures, the complete use of big data analysis methods and technologies and the effective selection of decision-making procedures can reduce the influence of decision-makers, and make correct decisions. In order to use information technology and improve the ability. Finally, the encapsulation of decision-making mode, the evaluation of decision-making effect and information feedback, according to the moment of decision-making system generation, the database information, anytime and anywhere decision for monitoring the use of encapsulation effect, can effectively improve measures, can shoot perfect problems. In the evaluation process of the encapsulation effect of the decision plan, the significance and action analysis algorithm are used to analyze the problems existing in the implementation of the decision, and the sub segment layer of the decision can also provide useful reference.

4. The Practice Path of Big Data Optimizing Library Decision Mechanism

In the context of big data, in order to maximize the use of big data technology, improve and optimize the decision-making mechanism of the library, the library must explore effective methods to optimize the decision-making mechanism.

4.1. Continuously Improve the Data Literacy of the Decision-Making Body of the Library

To improve the data literacy of decision-makers is the key to improve the decision-making mechanism of the library and optimize the decision-making mechanism of the library by making the most of the advantages of big data. Library management should strengthen the awareness and concept of data-driven decision-making, master the necessary big data analysis methods, and gradually give up the traditional decision-making thinking and mode. From a large number of complex data information, decision-makers can find valuable information data interpretation, analysis, performance, evaluation, and then based on the actual situation of the library, scientific decisions can help. Data literacy mainly includes three elements: Data awareness, data ethics and data ability. In order to establish the necessary insight to maintain good sensitivity and data optimization decision-making process management practice, the huge data can be used flexibly. The ability of data mainly refers to the ability to find data (complex data is searched from valuable information, in order to be able to use correctly), the ability to interpret data (various forms of data ceremony, and the ability to understand the meaning of data can be interpreted), and the effect of complete big data analysis result can recognize the decision-making ability of data (the result of data analysis, according to the decision of specific database management) Correct analysis, judgment, and data reflection ability (use big data to verify the gender effect of decision-making, identify problems, and continuously reflect and improve)[4]. Big data analysis needs professional technical ability, and the data analysis ability of decision-makers is not high. In the process of using data, data ethics mainly emphasizes security management and privacy protection, avoids information leakage, and ensures that social ethics and ethics are strictly controlled in the process of using big data. Under the current big data application environment, it is necessary for library decision-makers, big data skills, business learning and communication to strengthen the training. It is necessary to continue to improve, master, control huge data, learn and use it correctly in the complex decision-making process. Big data technology solves practical problems, which is the professional quality that policy makers must possess in the new normal of library.

4.2. Continuously Improve and Perfect Library Information Facilities

The existing library information infrastructure, usually, has low intelligence and low data quality with low compatibility. In the current context of big data, the library can not adapt to the closure of the complex number of information applications, on the other hand, it is composed of systems. Due to the need of development, the current database must strengthen the transformation and upgrading of information base, and build information equipment and environment compatible with database development[5]. First, we need to improve the existing information facilities and build a decision support system based on big data. In this process, the compatibility and connection of old data and new data of each library system should be well performed to avoid repeated construction and cost increase. In the process of system operation, it is necessary to collect, compare, file and analyze data, so as to transform data of multiple structures, adjust and manage data resources of the database. Secondly, it is necessary to build a comprehensive and intelligent library information management system. For example, in the process of providing knowledge services, Xinyang Normal University personalized, simplified and used big data. Collect loan data, admission data, electronic resource utilization, document database service and self-service equipment utilization. The establishment of big data and other comprehensive intelligent service systems not only provides data support for library decision-making, but also enhances the core competitiveness and influence of the library.

4.3. Eliminate Data Islands and Promote Data Fusion and Sharing

The data management system, the unified data format and the data standard of the library's

business systems, the standardization and interchangeability of the shared data, need the data information which is helpful for the integration of the fragmented decentralized library[6]. It effectively promotes the scientific decision-making of the database in the big data environment. However, in fact, the information system of each database lacks the mechanism of coordinating and sharing data resources, and creating data tables is very simple. In view of this situation, the librarian should make clear the responsibility and division of labor of data resource management of each department, and take the lead[7]. Establish inter departmental library big data information management system, and in line with the principle of "hierarchical management, joint responsibility", open up inter departmental data and information sharing channels. Optimize it and integrate it into the same system for overall configuration. In addition, relevant institutions and library associations should strengthen the construction of big data platform from the level of Library Alliance and open data query channels, so as to open library data information in time[8]. At the same time, according to the needs of users and data-based information for classification management, it is necessary to unify the open data management platform, formulate data standardization and standardization, and effectively improve the decision of effective support library.

5. Conclusion

The big data of the library is complex and diverse. Professional data analysis and prediction tools are needed to provide valuable information, so that big data experts can understand the actual needs of the database and participate in the decision-making of the database. The training of data librarians has become very important. From the current practice of the library, there is a big gap in big data. Some librarians have relevant experience and professional skills[9]. Therefore, the library needs to strengthen the introduction and training of big data talents. This can not only improve the practical ability of the database, but also constantly optimize based on database decision-making and innovative big data.

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