Joint Construction and Sharing of Digital Library Resources in the Era of Big Data

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Abstract: In the era of big data, the digital library provides the readers with high-quality services. According to the requirements of readers, realize the internal resource sharing of library, and provide guarantee for the effective implementation of teaching and scientific research. This paper mainly analyzes the joint construction and sharing of digital library resources in the era of big data.
Keywords: Big data era; Library resources; Joint construction; Co construction and sharing

1. Introduction

In the rapid development of modern social economy, digital library uses digital technology to process and store a large number of books and documents, ensuring the effective transmission of information and realizing the sharing of resources. All circles of society pay more and more attention to the value and application of big data, which promotes the development of digital library to a great extent. Based on this, this paper introduces the characteristics of the era of big data, expounds the importance of the construction of digital library in the era of big data, analyzes the current situation of the joint construction of digital library resources in the era of big data, and summarizes the joint construction and sharing strategies of digital library resources in the era of big data.

2. Characteristics of Big Data Era

The era of big data presents the following characteristics: First, abundant information data resources. Internet technology has been effectively applied in the development of various industries, and has been widely used in human production and production, obtaining more abundant information data and realizing the sharing of various information. Second, the data structure has a certain complexity, the speed of change is relatively fast. The data form has changed from the traditional single mode to the diversity characteristics. In the context of the rapid improvement of computer technology, data forms are constantly changing, so that data structures are increasingly complex, such as a lot of data exist in unstructured and semi-structured forms.

3. The Importance of Digital Library Construction in the Era of Big Data

The backdrop of the rapidly increase in the level of science and technology, the various countries more and more attention to academic resources construction, foreign related research began to comprehensive study data of digital library, collecting, sorting out a series of information, digital library implemented embedded technology, realized the digital library and the effective integration of digital technology, This makes digital data increasingly important. In order to build digital library rapidly, the management department should pay attention to the service quality of digital library staff, constantly optimize the service quality of the library, effectively reform the service form, establish the modern service concept, and realize the sustainable and stable development of digital library. In addition, in the era of big data, the application of digital technology in digital books makes various data show a certain flexibility, which is conducive to giving full play to the value of traditional library data and providing more convenience for readers to read.

4. Sharing of Digital Library Resources in the Era of Big Data

In the era of big data, all sectors of society need to reform their important thinking and focus on aggregate data rather than random samples. In the construction of modern library, the digital resources integration is the essence of mass data fusion, and realize the library inside each data fusion, the main content is to change the library of time and space limitations, will all the data and information related to the library together, form a complete organism, based on the development and utilization, create more value. Analyzing from the time dimension, the digital library resource fusion refers to the complete data accumulated in a certain period of time, which integrates the past, present and future data of the library. In the era of big data, digital library data is represented as "multi-source", with multiple sources recording data for the same object in different directions and verifying each data. In addition, in the era of big data, digital library resources need to be shared to provide readers with more high-quality services. Data in digital libraries and other information institutions, such as museums and archives, should be integrated to realize the sharing of data and information and guarantee the sustainable and stable development of digital libraries.

5. The New Demand of Digital Library Construction in Big Data Era

With the rapid development of social economy, library functions and scientific research methods have undergone great changes. China's digital library construction is facing great challenges in the era of big data and needs to meet the new needs of the development of modern society: First of all, the international data environment has changed a lot, digital library is facing new challenges, the development of science and technology needs big data technology as a support, in-depth analysis of the modern international digital library function changes, promote the pace of digital library construction. In the development of the new era, the construction of digital library has been unable to meet the needs of users for e-reading, and users get less and less new resources, especially in the knowledge era, users are more willing to visit the network resources under the digital environment. In order to meet the needs of users, it is necessary to develop and utilize various data in the construction process of digital library to adapt to the development of international digital library. In addition, the way of scientific research has changed greatly, promoting the construction of digital library. Digital library should make full use of the advantages of Internet technology, promote the commercialization of scientific and technological products, improve the overall efficiency of scientific research, and guarantee the effectiveness of digital library construction and resource sharing.

6. Present Situation of Joint Construction of Digital Library Resources in Big Data Era

In the era of big data, the network technology has been improved, the information data of the era of large data amount is large, data information structure has certain complexity, data changes very fast, in the process of knowledge information service of library in the long-term accumulated a large amount of data, and the application of the big data technology can effectively collecting, sorting, transmission, storage of various data and information. At present, there are still a series of problems in the process of library development in our country, such as unreasonable structure of information resources construction, library user service depth needs to be deepened, operating costs are relatively high, library resources integration ability needs to improve, the insufficient standard management, etc., especially in the era of big data, large library encountered many difficulties in the data analysis technology, Modern digital library technology level can not meet the requirements of the era of big data, digital library equipment and facilities are relatively backward, digital library website publicity construction needs to be further improved, there are obvious problems of unreasonable resource structure, resource duplication. In addition, the development and sharing of digital library resources are not in place, the establishment of a perfect digital library construction system, lack of overall planning and macro-control.

7. The Joint Construction and Sharing Strategy of Digital Library Resources in Big Data Era

7.1 Develop New Digital Knowledge Services

In the rapid development of the new era, public libraries need to change the traditional service mode, give full play to the role of information technology and computer technology, effectively process and process various data, and fully dig out the value of data information. In the era of big data, the library needs to establish a modern service concept, in-depth analysis of various business needs, timely prediction of users' behaviors, screening effective information from a large number of data, timely expansion and conversion of information, and improve users' service satisfaction. In addition, the digital library construction has certain complexity, variability, systemic

characteristics of digital library needs to give full play to the power of the relevant industries, cooperate with organizations such as companies, press, dig big data, for mobile library in the information resources, provide value-added services, knowledge services in order to meet user needs.

7.2 Improve the Service Consciousness of Digital Librarians

In the era of big data, librarians need to establish a sense of service and provide better service for readers. At the same time, in the process of construction of digital library, librarians need to maintain the intellectual property, effectively avoid the intellectual property risk, improve the people's consciousness of intellectual property law, the digital library needs to give full play to the role of the digital resources, effectively maintain the information and resources to ensure sustained and stable development of the digital library.

8. Conclusions

To sum up, in the era of big data, the development of the digital library is facing a lot of pressure, provides support for the reform of digital library, in order to promoting the comprehensive competitive power of digital library, the library management needs to further analysis of big data technology application, strengthen the function of digital library service, library's internal various resources sharing, Provide convenience for users to use digital library.

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