

Application of Intelligent Data Collection and Meta-Analysis Modeling in Internet Online Guiding under the Background of Sharing Economy

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Abstract: The emergence of Internet technology has also brought about the development model of sharing economy, and with the rapid development of modern society, people gradually accept and rely on the Internet business model under the sharing economy. This article mainly analyzes the online intelligent education in the context of the sharing economy. The platform, according to the online learning behavior model, selects quantitative parameters and metadata analysis of behavior characteristics according to the Blackboard online course data, referring to the learner specification and the object metadata specification.

Keywords: Intelligent Data Collection, Meta-Analysis Modeling, Online Education, Sharing Economy

1. INTRODUCTION

Into the 21st century. The function of education to promote social development and human development is becoming more and more obvious [1]. Governments of various countries have invested considerable human, material and financial resources. and develop education in various ways. especially higher education in the concept of establishing lifelong learning and building a learning society has attracted attention from all walks of life [2]. It has become a new round of educational pursuit of people. in this context. The Chinese government has accelerated the construction of information technology infrastructure [3], educational resources and distance education platforms, and ordinary colleges and universities have carried out distance education based on information technology [4]. All sectors of society represented by industry-TJn have increased their investment in distance education. In order to promote the rapid development of modern distance education in our country. Online learning is a way of increasing knowledge and skills through ICT [5].

It pays attention to the learning process and breaks the limitations of time and space. Learners can learn according to their personal learning habits and learning methods [6], and truly realize autonomous learning and personalized learning. The online learning platform provides learners with rich and diverse learning resources, flexible course arrangements and multi-dimensional assessment methods [7]. The Internet business model developed under the background of sharing economy belongs to a new business development model. By combining modern Internet information technology [8], various Internet technology platforms are formed. Through unified platform control and management, people can Paid and fair enjoyment of social resources, such as manpower, material resources, etc. [9], in which people pay and gain in different ways, thereby driving people to enjoy economic development together [10]. The Internet business model under the sharing economy, that is, through a unified Internet information technology platform, transfers the right to use one's personal items to others for a fee in a short period of time, so that it will not cause the item resources to be idle, and at the same time [11], it can be used for Others provide services and convenience. In fact, in the process of social development, the sharing economy has already shown signs of

development [12]. For example, industries such as house leasing and truck leasing all share idle self-resources for a fee. By relying on the innovation of modern Internet information technology in the [13] development process of the sharing economy, the emergence of Internet platforms has made the integration and sharing of resources more efficient, so the sharing economy [14] has gradually attracted more attention from more groups. The online platform provides a supportive environment for the development of online education and the online learning of learners [15].

Currently well-known online teaching platforms include MOOC platform, SPOC platform [16], mobile digital library and blended learning platform Blackboard and Moodle platform. Educational research is [17] a careful and systematic investigation to discover or establish valid facts and valuable relationships between [18] facts in education (Charles, 1998). A very important type of research in educational research, correlation research, is to discover or establish valuable relationships between facts [19]. The purpose of a correlation study is to find a correlation between two or more variables. In the field of education, researchers try to find out the elements of teaching that are related [20] to each other through correlation research, and then explain, predict or intervene in teaching [21].

Online learning refers to the way of content dissemination and rapid learning through computer Internet or through mobile wireless network [22]. This learning method can not only satisfy its own learning needs, but also collect data related to learning behavior [23]. These data can be extracted from the online learning platform, and then the data can be mined more deeply, and then the online learning behavior can be studied through the mined information [24]. However, the data generated in the process of online learning is huge and messy, and it also contains a lot of unstructured information. It is not easy to find its hidden knowledge and laws by using simple statistical analysis methods, and these data actually come from educational big data. Therefore, we need to study in a more precise and sophisticated way. Data mining technology can analyze large amounts of data and extract information and knowledge hidden in it that people do not know beforehand and are useful for decision-making. Data mining technology is the technology we have to choose.

2. THE PROPOSED METHODOLOGY

2.1 The Sharing Economy

Although the development of the sharing economy model does not have a long history, it has quickly penetrated into major cities in a short period of time and developed in vertical fields. The development of the Internet sharing economy is mainly based on the development of modern Internet information technology and the temporary idle situation caused by excess products in life and work. Under the combined effect of several factors, the Internet business model under the background of the sharing economy has rapidly become a new way of life for people.

People can almost all be exposed to the changes brought about by the sharing economy in their life and work, such as real estate, travel, education, and crowdfunding. People educate on a unified Internet platform, and their identities are more equal. There is a unified Internet platform. Constraints, people's transactions are more secure and convenient. At present, the direction of my country's Internet business innovation and development mainly includes several different aspects such as accommodation, transportation, and logistics. In the development process of the accommodation sharing industry, the main thing is that the owner of the house displays the relevant information that he can provide the tenant with the accommodation on the unified Internet technology platform, and then when the customer logs in to the corresponding platform and sees the information, and completed the rental reservation of the corresponding house. In the process of accommodation sharing transaction, the platform will charge both parties with the tenant and the owner. For each successful reservation order, the platform will charge the tenant 6%-12% fee, and the owner will charge 3% transaction fee. . Similar platforms in my country include Ant Short Rent, Small Rent Short Rent and other platforms.

Tujia is also one of the unified platforms. Learning analytics has gradually become independent from the field of educational data mining, integrating technical methods including learning science, statistics, computer science, information science, sociology and other disciplines to form an independent emerging field. In 2011, LAK made a more authoritative definition of learning analytics, that is, "learning analytics is the measurement, collection, analysis and reporting of data on learners and their contexts for the purpose of understanding and optimizing learning and the environment in which it occurs. NMC believes that learning analytics is the process of interpreting the vast amounts of data generated and collected by students for the purpose of assessing academic achievement, predicting future performance, and identifying potential problems.

2.2 The Internet Online Education

While paying attention to hardware investment, the state pays more attention to software construction. Through independent research, cooperation and other methods, systematic modern distance education resources have been developed in a planned, organized and high-quality manner; the existing available resources have been digitized, multimedia and interactively transformed to meet the needs of online teachers. To meet the needs of teaching and students' learning; introduce the world's advanced teaching courseware development platform, and develop modern distance education resources in various ways and means. Due to the support of national policies, material and technology, and the gradual attention of all sectors of society, modern distance education in my country has developed rapidly. This research

obtains the original data to be studied through the online course logs in the Blackboard platform. Export raw data through the Course Reports, Course Tools, and Grade Center modules in online courses.

The course report exports: all user activity in the content area, a comprehensive summary of user activity, user activity in forums, user activity in groups, and how long students have been online. The data obtained by the course tool include: the number of blogs published, the number of logs, the number of posts, and the number of replies. The data obtained by the score center include: complete score center, completion of each test, statistics of each test, historical score records of each test, column statistics of each test, attempts of each test, homework submission, and questionnaire survey. With the proposal of a large number of teaching theories and the application of emerging technologies in distance education teaching, the teaching elements in distance education are becoming more and more diversified and complicated. Compared with traditional education, distance education is a more complex education system. The mutual connection and interaction between various elements play a direct or indirect restrictive role on the educational goals in the field of distance education. Understanding the relationship between these elements and online teaching and the correlation between each element provides the basis and possibility for researchers and practitioners in the field of distance education to discover laws, explain phenomena, design interventions, and improve teaching.

First, pilot schools. The rapid development of modern distance education in our country is first reflected in the pilot universities starting to hold distance education. 1998. The Ministry of Education approved 4 pilot colleges and universities, allowing them to establish modern distance education based on two-way interactive satellite TV and computer networks: invite famous teachers and professors to teach through the Internet, students can learn online and obtain higher education qualification certificates. The purpose is to expand the scale of higher education and meet the needs of society for higher education.

2.3 The Intelligent Data Collection and Meta-Analysis of Online Education

With the vigorous development of modern distance education, we must pay attention to the construction of teaching resources. On the one hand, despite the smooth implementation of the "modern distance education project". It provides a basic guarantee for the all-round development of distance education in my country. However, there is still room for improvement in the construction of infrastructure and hardware. Due to geographical differences, the network bandwidth in some places is limited, and real-time, synchronous transmission of audio, video, and text cannot be achieved. There are also some pilot institutions whose facilities are underutilized. cause waste of resources. on the other hand. Software and hardware construction is not synchronized.

Software construction is often neglected when paying attention to hardware construction. After obtaining the original data, the course report data exported from the BB platform is aggregated into a table through Excel and SPSS, the relevant variables are calculated and summarized, and finally imported into the SPSS software for further statistical work, and the data variables are standardized. . The analysis of the themes of the article is based on the 20 types of research topics in the distance education field summarized by

Zhang Weiyuan (1999). However, since the correlation research is an empirical study, the main focus is on the micro-teaching level in the distance education field, and its research content will not cover the Therefore, in the statistical process, the researchers deleted and modified the research topics according to the actual coding situation, and finally determined 13 traditional research fields and 1 emerging research field.

The 13 traditional research areas are: learner characteristics, interaction and feedback, application of technology and media in education, instructional design and curriculum development, student support services, and learning materials design and development. Learner groups conduct online learning behavior analysis with different dynamic characteristics and classify such groups. Mainly through the collaborative filtering recommendation algorithm, the learners with similar static characteristics are screened according to the static characteristics of the learners, such as gender, age, education background, and academic major, and the total number of participants is grouped.

3. CONCLUSIONS

The unified authentication platform based on JA-SIG CAS introduced in this paper starts from unified user authentication management and application system integration, and aims to provide a complete multi-site unified authentication solution. The platform can provide unified and reliable user authentication and user management functions for multiple Web application systems in large organizations. It provides convenience for system end users, and provides cross-platform, multi-language support and easy-to-implement integration solutions for application system developers. The next step of the research is to optimize the performance of the CAS.

4. REFERENCES

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