

Research on the Application of Big Data and Its Key Technologies in the Transition and Development of Border Local Colleges and Universities

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Abstract: In the process of transformation and development, Frontier Local Colleges and universities do not simply draw on the social service model of colleges and universities in developed areas, but proceed from the needs and characteristics of local development. With the development of economy, the relationship between talent supply and demand has undergone profound changes. The era of big data is an important period of transition from traditional educational research to scientific empirical research. Against the background of both challenges and opportunities, we should think calmly about the arrival of the era of big data. Today's society has entered the era of big data, and information is radiated at an extremely fast rate. In the process of transformation, colleges and universities increase the proportion of practical courses according to the training requirements of talents. The discipline construction of colleges and universities in the border areas has the same and different aspects as the discipline construction of the universities in the mainland. Frontier colleges and universities should attach importance to the discipline construction of applied discipline and continue to shoulder their due responsibilities and responsibilities in the development of frontier society.

1. Introduction

Since the reform and opening up, China's education has developed rapidly. After entering the 21st century, the construction of colleges and universities in frontier areas keeps up with the mainland and southeast coastal areas [1]. In the era of big data, all walks of life have fully realized that whoever can use big data scientifically and reasonably and excavate profound value from it can take the lead in making breakthroughs [2]. With the development of economy, the relationship between talent supply and demand has undergone profound changes. Big data provides a new technology and method for University transformation [3]. Based on the big data environment, the employment guidance center of colleges and universities should think about and reform the service mode. So as to better protect the steady development of colleges and universities. The talents cultivated by the university for the society are far from being able to adapt to the needs of the society. The homogenization of college education makes the employment of graduates difficult, and many colleges and universities are faced with the problem of development and transformation [4]. The era of big data is an important period for the transformation of traditional educational research into scientific empirical research [5]. In this context of both challenges and more opportunities, we should calmly think about the arrival of the era of big data.

Under the circumstances that all walks of life strive to cope with the opportunities and challenges brought by big data and "Internet +", local universities, which are one of the important forces to ensure the stable development of college education, are also actively exploring transformation [6]. Through combing the development status of local colleges and universities in the border areas, it is found that each correction is actively responding to the call of the state for the transformation and development of colleges and universities, and strives to explore ways and means of transformation that are compatible with the local economic and social development of the border areas [7]. Big data will not only lead technological innovation in the field of information, but also lead to innovation upsurge in various traditional industries. Nowadays, the society has entered the era of big data, and information is growing very fast, radiating and spreading at a very fast speed.

Especially under the impetus of mobile interconnection, the scale and efficiency of information dissemination are unprecedented [8]. Under the new situation, only by adapting to the environment, responding positively and constantly transforming the work of college students can the work of college students achieve long-term development and achieve higher goals [9]. The exploration of effective ways of development transformation Local Colleges and universities has just started. It is of great practical significance to explore the application of big data and its key technologies in the transformation and development of Frontier Local Colleges and universities.

2. Overview of the Development of Local Colleges and Universities in Border Areas

In theory, introducing the advanced ideas and concepts of big data into the field of University Students' masterpieces has triggered a change of thinking in Traditional University Students' work. The three functions of local colleges and universities are integrated, emphasizing transformation and transformable research, which must serve the local areas and be closely linked with local economic and social development. Big data can be understood as a phenomenon and form of data growth and data presentation. In practical sense, big data and related computer technology provide some new and challenging working methods for college students. Local colleges and universities in the border areas have established the type orientation. Starting from the local development needs, they constantly adjust and optimize the professional structure and form a number of colleges and universities that meet the local development needs. Combining the background of big data to study the transformation of college students' work makes the work of college students more contemporary and forward-looking, and optimizes the working environment of college students. It is conducive to the era of college students' work theory, systematization and further deepening.

Local colleges and universities in the frontiers have begun to adjust and optimize the professional structure based on local development needs, and have now formed a group of local specialties. The discipline construction of colleges and universities in the border areas should pay attention to the characteristics of borders and set up disciplines with characteristics. The common university transformation model can be described as a “catalytic reaction type“, as shown in Fig.1.

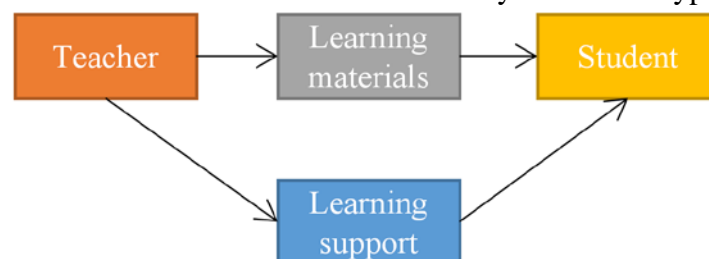


Fig.1. Catalytic response model for university transformation

Effectively utilizing and mining information in the big data of employment and entrepreneurship education in colleges and universities can help college employment guidance centers to more accurately understand the current situation of college students' life and learning, and the tendency of employment and entrepreneurial behavior selection [10]. In order to improve the quality of employment and entrepreneurship education. The survival and development of colleges and universities depend on whether they can cultivate technical and skilled talents needed by local society. Therefore, the overall reform of the transformation mode has become the focus of the transformation work of the Frontier Local Colleges and universities. Compared with the focus on big data alone, the focus on big data in the field of education is still not high enough, and the research time is late, it is still in its infancy.

3. The Impact of Big Data on the Transition of Border Local Colleges and Universities

Specialty setting in universities is not only an important part of teaching management, but also a basic factor for universities to realize social service function. Frontier is a blending zone of multi-cultures, especially in China, the only frontier in the world whose history has lasted to this

day, the cultural diversity is more prominent. Big Data advocates the collection of all data, the predictive function of big data, and the mining of related relationships between big data and other university students, trying to understand each student individual more accurately.

In the process of transformation, colleges and universities are based on the training requirements of talents. Adjust the transformation programs of various professions, increase the proportion of practical courses, and strengthen the on-campus training of students' operational ability. It is necessary to cultivate talents that are suitable for the needs of the mainland, and to cultivate various talents suitable for the needs of the frontiers to serve the construction and development of the frontier.

College student work should be based on the background of the times and constantly innovate its forms. Institutions with weak strength need to face both connotative and transitional development. They should strive to improve the quality of running schools to meet the undergraduate teaching evaluation of the Ministry of Education, and also consider serving the local economy and society. No matter what the transformation of colleges and universities, it is impossible to complete in a short period of time. This is especially true for the transition from traditional colleges to modern universities.

In the process of transformation, colleges and universities adjust their professional transformation plans and increase the proportion of practical courses according to the training requirements of talents. Local colleges and universities in border areas have indeed made great efforts to explore demand-oriented ways to combine production with education. However, in the face of the diversity and complexity of China's social transformation and development, it is still relatively difficult for local colleges and universities in the border areas to fully grasp the diverse needs of various trades and industries by relying on their own strength. According to the political characteristics of the border areas, universities in the border areas should set up and attach importance to relevant public courses such as politics and law. With the rise of the big data wave, college student work is trying to make full use of educational data and establish new development goals based on the original work. As the most concentrated institutions of talents, science and technology and cultural resources in the border areas, local colleges and universities in the border areas should cooperate with the government and enterprises to carry out transformable research. The practical transformation model is not only to increase the proportion of practice time, the reform of teaching content and the reform of teaching methods directly affect the type and quality of transformation.

4. Conclusion

Local colleges and universities in the frontiers, as the most concentrated institutions of talents and cultural resources in the border areas, should play an active role in the local regional economic and cultural construction. The discipline construction of colleges and universities in the border areas has the same and different aspects as the discipline construction of the universities in the mainland. With the maturity of big data technology and the continuous development of ideas, the application of big data in education will be a trend and an inevitable choice. Local colleges and universities in the frontier should take the initiative to win support from local government projects, and organize expert teams to conduct regular investigations and effective analysis of local social development. Due to the particularity of social development in border areas, we need to further explore the effectiveness of transformation and expand social influence. According to the characteristics of frontier areas, some disciplines should be set up to meet the needs of frontier areas, which requires frontier universities to build disciplines close to the reality of frontier areas in the process of transformation. Because of the complex geographical and human environment in the border areas, the nationality and internationality are very prominent. Frontier universities should also attach importance to the discipline construction of Humanities and social sciences. Then we can gain the trust of the government and the market, and continue to shoulder their due responsibilities and responsibilities in the development of the frontier society.

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