

# Implementation Ways and Risk Analysis of Big Data Analysis in the Construction of Labor Education in the New Era

Sendong Chang<sup>1,\*</sup>, Gang Luo<sup>1</sup>, Xian Li<sup>1</sup>, Wuquan Tan<sup>2</sup>, Yang Ping<sup>3</sup>

<sup>1</sup> College of Life Sciences and Health, Wuhan University of Science and Technology, Wuhan Hubei, 430070, China

<sup>2</sup> School of Management, Wuhan University of Science and Technology, Wuhan Hubei, 430070, China

<sup>3</sup> College of Physical Education, Wuhan University of Science and Technology, Wuhan Hubei, 430070, China

\* Corresponding Author

**Abstract.** The arrival of the era of big data, also in the objective promoter of labor education courses in colleges and universities, plays an important role in college labor education course innovation development, under the new era background, to give full play to the big data era, with the help of big data technology and management advantages, innovation of labor education curriculum system, optimization of labor education teaching link, for labor education curriculum construction stable development vitality. In this paper based on big data horizon, the big data analysis in the new era of university labor education course construction in the implementation of the way and risk analysis, fully tap big data into the labor education course education teaching management application value, explore the background of the implementation of university labor education course teaching management innovation path.

**Keywords:** Big Data; University; Labor Education Courses.

## 1. Foreword

To carry out labor education is an important content of the education system of socialism with Chinese characteristics, labor education to carry out the quality of universities students directly reflect the labor spirit, labor value orientation and labor skills level, is a matter of ordinary higher education khalid ents the implementation of the basic task, to cultivate socialist builders and successors has important strategic significance. Since entering the new era, the rapid development of network and data to the construction of labor education courses in colleges and universities provides new opportunities and challenges, as a new technology, big data analysis in strengthening labor education courses in colleges and universities, realize personalized targeted teaching, innovation of labor education curriculum concept and teaching system play an important role.

In March 2020, the CPC central committee and the State Council issued "on comprehensively strengthening the new era of big primary and secondary school labor education", in July, the Ministry of Education issued "the guidelines of primary and secondary school labor education (try out)", from the top design to the specific practice gives clear guidance, the new era under the new background, the university as the main position of labor education courses, should play their education functions, attach importance to the use and management in the construction of labor education curriculum, to continuously improve labor education curriculum quality and teaching effect, realize the reform and innovation of labor education curriculum system.

## 2. The Implementation Way of Big Data Analysis in the Construction of Labor Education Courses in Colleges and Universities

(1) Big data thinking explores innovative ideas for the construction of labor education curriculum in colleges and universities



The current labor education course of teachers and researchers often is given priority to with counselors or related education teachers, the development of big data technology makes the original time and space is broken, brought the development of big data thinking, but also promote the establishment of the labor education teachers big data consciousness, pay more attention to the labor education course comprehensive, overall, dynamic analysis and analysis. Colleges and universities can improve through training and communication of labor education teachers and researchers data thinking, using large data technology of data analysis ability, make the construction of labor education courses and teaching more targeted, scientific, thus better in the construction of labor education course and the teaching process of marxist labor concept.

(2) Big data platform expands rich resources for the construction of labor education courses in colleges and universities

With the application of big data technology in colleges and universities, the trend of electronic teaching resources of each subject is more and more obvious. The electronic teaching resources also make the course resources easier to spread, realizing the continuous enrichment of the course content. However, the current construction of labor education courses in colleges and universities has not established a widely shared big data platform, and there are obvious limitations. Only some colleges and universities can share resources, and most colleges and universities can only use their own labor education resources, which cannot promote the development of labor education courses. The establishment of big data platform can break the restrictions of school domain and region, constantly supplement and update the contents of existing labor education courses, and form an integrated big data platform with comprehensive coverage, dynamic update, practical and efficient.

(3) Big data technology provides integrated analysis for the construction of labor education curriculum in colleges and universities

The application of big data in the construction of labor education courses in colleges and universities should be mainly reflected in the integrated analysis of teaching information. Big data technology is introduced in the course construction of labor education courses in colleges and universities to collect and store course information, release course teaching information, make dynamic market analysis and judgment of course teaching value, and provide data guidance for labor education curriculum reform and program adjustment. In addition, through the effective use of various data carriers, break the teaching process limited to time and space restrictions, understand and master the learning status of labor education objects at any time, timely develop problems and make targeted solutions.

### **3. The Risks and Challenges of Big Data Application in the Construction of Labor Education Courses in Colleges and Universities**

(1) The risk of privacy disclosure poses ethical challenges

With the use and popularization of big data analysis technology in the construction of labor education courses, massive personal data is collected, stored and analyzed, which not only promotes the update and evaluation of curriculum construction, but may also cause risks such as excessive collection, arbitrary abuse, ineffective supervision, and data leakage. one side, Big data analysis is often by using a variety of means to collect information without the knowledge of the educational target, And analyze the learning dynamics, activity trajectory and other behavior data of labor education objects, Make their study and life conditions become highly transparent, This leads to the exposure of the psychological, physiological, family and other private information of the education object; on the other hand, Due to the high technical conditions and thresholds of big data analysis, Big data analysis in the construction of labor education courses often need to seek technical support from third-party companies or individuals, The profit-driven nature of businesses may lead to the disclosure, dissemination and sale of the relevant data of labor education objects, It is bound to bring great trouble to the education object and cause greater ethical challenges.

(2) Technology development risks pose information challenges

The new characteristics of big data technology have injected new blood into the construction of labor education courses in colleges and universities. The labor education curriculum in the era of big data is characterized by data application, data facts as the information source, and the objectivity and comprehensiveness of data as the basis of scientific decision-making, and targeted and predictable forms of labor education are conducted for target groups and objects. However, the current application in college labor education course big data is still very lack, on the one hand, because the big data is still in the rise stage, labor education course establishment time is not long, a lot of historical data is not intact, in the use of big data for college labor education teaching management, still lack of integrity analysis. On the other hand, due to the lack of systematic planning and technical support, the data collection, collation and analysis of the objects of labor education in colleges and universities are not complete enough, and there is a lack of an integrated big data network sharing platform. The division of labor and cooperation between various departments in colleges and universities, and different data and information have different management systems, so that it is difficult to associate all the information of students, and it does not form an effective joint force, which hinders the comprehensive analysis and evaluation of the construction of labor education courses in colleges and universities.

In addition, the construction and improvement of the big data analysis system requires massive original data, quantitative physical equipment and a certain proportion of high-level professionals. Part of the technical level is limited and the lack of funds in colleges and universities in labor education practice is often difficult to complete cross-platform infrastructure independent structures and operation, difficult to maintain huge amounts of data flow, mining and application of daily operation, difficult to support intelligent algorithm under the guidance of scientific decision-making and labor practice of customization, forced into the deadlock of large data analysis application. This will make the labor education curriculum based on big data analysis increasingly evolve into a small number of advantageous universities occupy the vast majority of information resources for a long time and continue to run and compress the monopoly situation of other universities.

### (3)Data worship risk brings thinking challenges

Big data technology applied in labor education courses, data and algorithm of objectivity may make the labor education course teachers as the core of labor education, and believe that through big data analysis can visualization of the process and behavior, think seize the data is equivalent to seize the labor education object, an ignorant worship data, data is king, to ignore the experience of traditional labor education courses. In addition, only data theory may alienate the growth process of students' labor practice into solid state calculation, and solidify the educational object in real-time data monitoring and quantitative analysis, which leads to the distortion of the teaching effect of labor education curriculum and affects the improvement and judgment of labor education curriculum.

Further, labor education is an important part of the ideological and political education that undertakes the fundamental task of cultivating people by virtue. It is also the organic combination of ideological education and humanistic quality education, which conveys the core values such as life experience, ideal and belief, and cultural identity. If the value function of labor education is replaced by data and algorithms, it may cause the process of labor education to retreat to the level of simplification and mechanization. Once labor education deviates from the "human touch" and puts into the cold technology category, the effect of "educating people" will be greatly reduced.

## 4. Epilogue

Under the background of the new era, the development of big data is an inevitable trend. The era of big data is both a challenge and an opportunity for the construction of labor education courses in colleges and universities. Big data analysis breaks the traditional experience-based labor education mode, which is conducive to realizing the transparent tracking and open display of the whole process of labor education, exploring innovative thinking, expanding rich resources, and providing integrated analysis for labor education in colleges and universities. However, it is undeniable that the wide

application of big data analysis in labor education courses is still faced with ethical, information and thinking challenges brought by risks such as privacy leakage, technology development and data worship. Adhere to the "people-oriented" education concept, to ensure that the data security on the basis of reasonable data analysis and judgment, reasonable use of big data technology, and constantly promote the scientific, effective, targeted labor education curriculum dynamic, resilient sustainable development.

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