Problems and Solutions Faced by Ideological and Political Education in the Era of Big Data

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Abstract:Problems and solutions faced by ideological and political education in the era of big data is the focus of this study. Big data is no longer limited to random samples, no longer limited to the collection of information with a small amount of information, big data has enough "big" information to reflect the development of the situation. At the same time, this kind of data acquisition relying on technical means can be carried out without affecting the learners, and can then eliminate the interference from learners themselves and the experimental environment, and this paper gives the novel applications inideological and political education.

Keywords: Big data; ideological and political education; era of times; problems and solutions; challenges; educational issues

1. INTRODUCTION

The first disciplines to propose the concept of big data are astronomy and also genetics, which have relied on analysis methods based on massive data since their birth. Big data can be said to be the product of the combination of computers and the Internet. The computer realizes the digitization of the data, and the Internet realizes the networking of data considering the combination of the two gives big data its vitality.

Big data has four characteristics: (1) The amount of data is extremely large; (2) The types of data are extremely large; (3) The speed is fast, moving like running water; (4) The value density is low, that is, the value of a single data is low.

The application of big data in education makes it possible to comprehensively mine data in the field of education and grasp the actual situation of education. At the same time, this kind of data acquisition relying on technical means can be carried out without affecting the learners, and can then eliminate the interference from learners themselves and the experimental environment, which can then ensure the authenticity of the collected data to the greatest extent. The greatness of big data lies in the greatness of processing information. The key to big data is not the upgrading of data storage technology, the "big" of big data does not mean that the data stored and backed up is large, but fundamentally it refers to the "big" model used to process data. Facing the challenges of the big data era, an important responsibility of statistics is to cultivate talents who can organize and analyze big data, namely "data scientists". A data scientist refers to a person who digitally reproduces and understands data and has made a certain contribution in the field of data. Generally, we should have various abilities such as statistical analysis, extraction and synthesis of the data, and visual representation of data. In the figure 1, the big data era keywords are presented. By creating and optimizing the educational environment, forming a campus culture that is conducive to students' growth, talent and forming a good character to then implement cultivation education, in order to achieve the purpose of teaching and also then educating people, management educating people, and service educating people, in order to cultivate students' good quality.

Moral qualities and habits of life provide the necessary conditions. In the next sections, the detailed ideas will be then further presented.

Figure. 1 The Big Data Era
(https://medium.com/@syedjunaid.h47/what-is-big-data-why-is-big-data-important-in-todays-era-8dbc9314fb0a)

2. THE PROPOSED MODEL

2.1 The Problems and Solutions Faced by Ideological and Political Education

Traditional classroom teaching needs to arrange a fixed class place, time and teacher. Due to the limitation of teaching venues and conditions, teachers cannot fully interact with the students, especially in the current situation where large class teaching is widely used, the interaction between teachers and students is more difficult. We consider the listed.

(1) In order to transform profound theories into the teaching content that students like to hear and hear, teachers should use easy-to-understand language, vivid examples, and simple explanations, so that the teaching content is close to social reality, students' life, and students' ideological reality, so as to improve the quality of teaching.

(2) Teachers should participate in the students' autonomous learning throughout the process, we should pay attention to the evaluation of learning effects, and correct the deviations found in time. In any course reform, the teaching effect is ultimately judged through course evaluation. It can be said that a scientific evaluation system is the cornerstone of then building an autonomous learning model.

(3) Only by paying attention to general students' professional knowledge, skill level, knowledge innovation and serving the society, and attaching importance to the development of the students' moral character, ethics and behavior habits, can

higher vocational colleges improve their competitiveness and achieve high-quality employment.

While participating in the co-construction, the students can enhance their awareness of the network responsibility, legal awareness, self-discipline and security awareness, and can also cultivate their sound personality and excellent network morality, thereby enhancing the effectiveness of college students' ideological education. The figure 1 shows the issues.
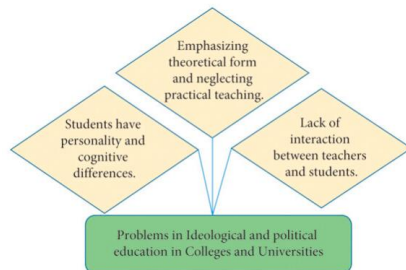

Figure. 2 Ideological and Political Education
(https://www.researchgate.net/figure/Problems-in-ideological-and-political-education-in-colleges-and-universities-a_fig5_358265587)

2.2 The Big Data Era Integration

The "smart education" in the context of the educational informatization was first extended from the inspiration of the concept of "smart earth". In the era of big data, every click on the network and the data generated by every information exchange will be then permanently saved. Therefore, the first challenge we must face is: in the era of big data, how do we protect our information security. On the one hand, with the increasing reliance on the Internet, people record and save a large amount of the data through the cloud, financial data, medical information and information from the government departments all need to be secure and confidential and in this idea, the essential aspects are considered. Big data has existed for a long time in the fields of physics, biology, environmental ecology, as well as in the military, finance, communications and other industries, but with the continuous emergence of new technologies and applications such as cloud computing, Internet of Things, smart cities, and mobile Internet , we have entered the era of information explosion. If data is only stored as static, archival material without adequate mining, analysis and utilization, it is bound to be tantamount to a pile of waste. Whether it is storing small databases or massive data, there is no substantial difference, and it will not produce much social and economic benefits. Then, this will further guide the next development patterns.

3. CONCLUSION

Problems and solutions faced by ideological and political education in the era of big data is the focus of this study. The vision of the smart education development is to create an intelligent big data education environment with the support of a new generation of information technology, respecting the individualized and diversified development needs of each learner. This paper then gives the novel suggestions for the applications, in the future, we will consider some discussions.

4. REFERENCES

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