Enlightenment of Marx Community Thought Based on Big Data Analysis to Solving China's Real Social Problems

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Abstract. Marx's "community" thought is an important part of Marxist theory and an important theoretical result of Marx's research on the development process of human history. This article attempts to study the thought of Marx's community, so that we can more accurately and completely grasp this scientific theory, combined with the development of China's socialist cause, to analyze the practical problems of the development of contemporary China, and to try to increase the total social members' Cognition of the thought of the community, and at the same time, analyze the realistic problems facing the world's development according to Marx's thought of the community, and strive to build China into a prosperous, strong, democratic, civilized, and harmonious socialist modern power. The Marxist community thought was systematically combed in a way that followed the unity of history and logic, so that this thought was completely presented.

Keywords: Big Data, Marx Community, Chinese Social Issues, Community Thought

1. Introduction

In the development of the theory of socialism with Chinese characteristics, the relationship between individual development and social development is the top priority. This question can be found in a reasonable answer from the idea of the community. Therefore, the study of Marx's community thought in this article is a rich connotation of the theoretical system of socialism with Chinese characteristics [1]. From the perspective of practical expansion, Marx's community thought has comprehensively analyzed different community thoughts in different historical periods, and demonstrated the support of human future development and survival [2-3]. Deepening the research and understanding of Marx's community thought can objectively and comprehensively view the construction and development of the community of human destiny [4].

The real community is Marx's ultimate ideal for human development. To achieve this goal, the false community must be discarded and combined with the actual development of the country, the essence of it can be removed from its dross, in order to achieve the free development and full liberation of humanity [5-6]. Of course, the development of any new thing will go through a gradual process. This is the result of qualitative change and accumulation of quantitative change. The same is true of the construction of a true community. It must go through a process of construction and development. Complex problems and huge resistance [7].

For the better development of socialism with Chinese characteristics, it is necessary to learn from Marx's community thought, and obtain more inspiration and reflections from it, which provides a strong support and solid foundation for China to build a socialist theoretical system with Chinese
characteristics [8-9]. With the widespread use of big data, people's ideas, lifestyles, etc. are undergoing drastic changes. Grassroots Marxist propaganda and education are often in a passive situation in fighting for the right to speak and the time of the audience with multiple trends of thought [10]. Marx's community thought is an important part of Marxist theory. Through an in-depth analysis of the development of Marx's community thought in different historical periods, it will help us better explore and learn the Marx's community thought and its value, and connect it with the new era. The combination of China's development.

With the development of the Internet, BigData refers to the huge volume of its processing objects, and it is also a definition of a new type of information processing model. Big data in this article refers to the use of new data processing technologies such as data collection, storage, transmission, and analysis to process data from Marx Community ideological data processing objects in order to solve relevant real-world problems in China and obtain relevant enlightenment.

2. Method

2.1 The Concept of Big Data

Big data is not only a private research field in a certain discipline, but also an interdisciplinary, even multi-disciplinary, multi-field research theme. Institutions, professional technicians, and scholars belonging to different fields have made different interpretations of big data from different subject positions and application perspectives, such as technical attributes, social attributes, and philosophical attributes. Through the analysis and comparison of different definitions, it is not difficult to find that big data is a large-scale, diverse, fast-updated large-scale data generated by the rapid development of the current scientific and technological revolution, and it is mostly unstructured and complex data. Related to unstructured data, big data is also a technology. It is a technical means of data acquisition, processing, analysis and storage. It is a valuable resource in the new era, but it can not be called big data if the amount of data is large. Generally speaking, big data has 4V characteristics, namely Volume (large volume), Velocity (high speed), Variety (variable) and Veracity (real). Utilizing these information assets, mining the rich and rich information through new processing technologies, thereby promoting stronger decision-making ability, insight and optimization processing, is the essence and starting point of big data technology. Specifically, big data technologies include data acquisition and preprocessing, data storage, computational analysis and mining, and practical applications.

2.2 Big Data Application Level

The application of big data can be divided into four levels. The first layer, which is the top layer, is the application / service layer and application development layer of the big data industry. This layer is the level of specific applications. It is mainly the application of big data technology in various industries, such as the use of systems and services. Development, etc.; the second layer is the algorithm layer, which is mainly the application of various algorithms in big data. It can be divided into application algorithm layers. This layer is how to apply traditional algorithms to big data platforms and various algorithms to achieve the corresponding functions at the top level. The main research contents are social networks, business intelligence, recommendation systems, natural language processing and Web data mining and search. Another layer is the basic algorithm layer. The main research content is the basic support algorithms such as big data parallel machine learning and mining algorithms. The third layer is the system layer, which is mainly the parallel programming model, computing framework layer, and big data storage management layer. Big data model's parallel computing framework, data preprocessing technology, distributed database technology, and corresponding query technology; the fourth layer, which is the lowest layer, is the platform layer, whose main content is the parallel architecture and resource platform layer. Big data parallel computing mainly includes shared memory architecture, distributed memory technology, hybrid architecture, and big data application / service cloud computing support platform technology.
3. Experiment

3.1 Experimental Questions
In the era of big data, how to deeply explore and use the value of Marx Community's ideological information data is the core to solve the real social problems in China.

3.2 Experimental Analysis
This must not only have the ability to keep up with the big data thinking and technology research and development, but also support the theory of Marx's community thought. At present, the idea of Marx's community thought ranges from the community at the national level to the community at the regional level, to the community at the global level, which contains a lot of content, such as: politics, culture, economy, environment, etc. Abandon the old ideas more thoroughly, establish the spirit of innovation, and use the communication and tolerance to construct Marx's community thought. With economic globalization, the economic, cultural, and political exchanges between countries in the contemporary world have gradually and repeatedly become more and more a common interest as a whole. Marx's community thought is a reflection of conforming to the trend of the times. In order to achieve better development of Marx's community thought, all countries in the world need to increase their participation. While seeking for a point of interest, it also injects new vitality into the development of the community.

4. Discussion

4.1 Chinese Social Issues under Big Data
Based on the rapid development of big data, it also affects the progress of Marx's ideology. The traditional Marx's ideological work process has affected the pace of corporate progress. Therefore, in order to make the ideological informationization more comprehensive and faster, the government needs to strengthen Recognition, formulating standards and regulations to regulate normative constraints, and provide a good policy environment to promote the development of ideological information. In addition, information data is a very important resource for a country. Only by strengthening investment in this area can we better promote the construction of the entire country. Under the big data analysis, the change of Marx's community thought to solve China's social problems is shown in Table 1.

| Year Group | Education level | Poverty gap | Corruption and corruption | Rate of employment |
|------------|-----------------|-------------|---------------------------|--------------------|
| 1980-1990  | 31.2%           | 1:1.1       | 3.5%                      | 74.3%              |
| 1990-2000  | 48.1%           | 1:1.3       | 4.7%                      | 80.2%              |
| 2000-2010  | 56.3%           | 1:1.8       | 5.9%                      | 85.7%              |
| 2010-2019  | 82.8%           | 1:2.1       | 5.1%                      | 90.6%              |

The concept of database is used in big data to integrate a large amount of data and transform it into a model required by the country according to the needs of the country. In essence, it is a more intelligent and convenient service. No matter in terms of flexibility or cost, traditional services cannot be compared. The application of big data technology in China is still in the development stage. There are still many hidden dangers that need to be waited for to be discovered in practice. However, it cannot be used better because of the hidden dangers that an emerging technology may bring. There will be some doubts and imperfections in the stage, which requires time and practical experience to urge it to move forward and urge it to develop in a more perfect direction. The model of big data is likely to drive the transformation of various industries, change ideas, promote Cooperation and exchange between countries. The Marx community thought combined with big data is a great innovation to the traditional thinking model of state relations. It is unified with the core value of the
true community thought described by Marx. The purpose of Marx's ideology is to seek happiness for
the broad masses and open up prospects for the free development of mankind, so that individual
human beings can get rid of various limitations and provide the necessary conditions for the
realization of a true community. This shows that the importance of Marx's community thought is very
strong, and the comparison chart of Marxist theory in law is shown in Figure 1.

![Comparison of the proportion of Marx's community thought in law](image)

**Figure 1.** Comparison of the proportion of Marx's community thought in law

The relationship between the actual individual and the community, and the relevant insights of Marx
and Engels are as follows: The existence of society must be based on realistic individuals, but the
subject of society is not the subject in the process of historical evolution, but the class within it;
Constraints of common interests and living conditions form a community, but the community will
constrain the individual's personality and freedom to a certain extent; while political economics
research continues to deepen and the workers' movement develops, their ideas are constantly
improving.

5. Conclusion
Science and technology are the source of human progress. The advent of the information technology
era has changed all walks of life. In such a challenging society, Marx's community thought has also
ushered in its own challenges. The combination with information technology is already inevitable. The
integration of big data as the product of information technology and ideological informatization will
bring new changes to political thought. More and more countries are trying to use this method to
further develop, enhance national thinking, and strengthen their own quality. Raise national strategic
awareness to enhance competitiveness. The rapid development of big data has made the government
not to be ignored, and I believe that the future is also very good. Due to my limited academic ability,
many analyses have stayed on the theory, and have not obtained a good practice, which needs further
improvement. In the future, with the deepening of academic research, more and more types of modules
will recognize the importance of big data and actively introduce big data.

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