

Application Analysis of Smartbi Big Data in Financial Poverty Alleviation

Xiuhua Zhang

Email: nancy09082021@126.com

Shaanxi Fashion Engineering University, Xianyang

ABSTRACT. At present, under the background of rapid economic development, the country advocates to achieve comprehensive prosperity and vigorously develop the rural economy, so as to reduce the economic development of urban and rural areas, and pay attention to the development of poverty-stricken areas, so as to achieve poverty reduction for the whole people. Today, when governments and departments at all levels are vigorously carrying out poverty alleviation work, Smartbi big data is the embodiment of technological innovation when my country carries out targeted poverty alleviation work. And inject more innovative ideas and forms of poverty alleviation work. Whether it is urban and rural economic development or the construction of modern new countryside, the application of Smartbi big data in financial poverty reduction is particularly important on the national development path of achieving comprehensive prosperity and building a moderately prosperous society in an all-round way. Judging from the current development trend of Smartbi big data in my country, its overall growth index is relatively slow and the overall level is low. How to give full play to the self-efficiency and role of Smartbi big data in financial poverty reduction is the focus of this research. , the article will specifically analyze the application of Smartbi big data in financial poverty reduction.

Keywords: Smartbi big data; financial poverty reduction; application

1 INTRODUCTION

Poverty alleviation is the main theme of the current national development and modern society construction, and winning the battle against poverty is of great significance to promoting the construction of a modern socialist power in my country and realizing the great rejuvenation of the Chinese nation. It has become an important task for the current national development. . Today, led by the development of science and technology, driven by the development of information technology, the application of big data is becoming more and more extensive. For financial poverty reduction, the application of Smartbi big data aims to alleviate the financial exclusion in the traditional financial model. By continuously expanding the scope of financial services to enhance the availability of basic financial services, economic entities at all levels of society can have equal opportunities to receive financial poverty reduction services. This can reflect the value and significance of this special research. By earnestly understanding the application of Smartbi big data in financial poverty reduction, understanding the significance of its application and related matters, it will help Smartbi big data to reduce poverty better. It

is reflected in the work related to financial poverty reduction. 。

2 BASIC OVERVIEW OF BIG DATA

In the context of the new era, informatization has become a key factor in the development of the world economy and society. As a product of the era under the background of the rapid development of science and technology, big data has been widely cited once it was launched, thereby promoting its Good development, at present, many industries and industries are pursuing more efficient work efficiency and quality. Informatization, modernization and intelligence are the direction and goals of the development of all walks of life, which in turn promotes the development of big data. Today, the use of big data analysis and research projects has become a mainstream trend for most companies. The definition of big data is not a fixed concept, but the collection of data, usually the use of network technology to obtain a large amount of hidden data, and to organize and analyze it, so as to be able to work together for different types of organizations. Provide accurate data information as support in decision-making and execution. Today, the use of big data technology has become a mainstream trend in all walks of life and research work.

2.1 The significance of Smartbi big data application in financial poverty reduction

In recent years, poverty alleviation work has always been a key task carried out by the state and regional governments at all levels. In order to effectively solve the problem of poverty alleviation in the region, the Party Central Committee has pointed out in many important conferences that in the implementation of policies and work related to poverty alleviation, not only To be oriented towards targeted poverty alleviation, it is also necessary to pay attention to the development of financial poverty alleviation, and to use a two-pronged approach to help the process of poverty alleviation in my country ^[1]. Among them, in view of the current development situation that is changing with each passing day, poverty alleviation work needs to keep pace with the times in the specific development, and attention must be paid to the application of relevant science and technology, so as to achieve poverty alleviation work in terms of form, concept and method. innovation and upgrading.

2.2 Measurement methods for the development level of China's financial inclusion

For the measurement method of the development level of China's inclusive finance, the focus is on data processing, and the data is normalized to eliminate the influence of different dimensions on the indicator data. The normalized processing function is as shown in equation 1:

$$X^* = \frac{A_i - \min_i}{\max_i - \min_i} \quad (1)$$

In terms of weight calculation, the coefficient of variation method can be used to calculate the weight of different dimensions. This method focuses on the assignment of the weight of the coefficient of variation. The larger the coefficient, the higher the proportion of the dimension

index weight, and the weight of a single dimension is $\frac{V_i}{\sum_{i=1}^m V_i}$, the dimension. The coefficient of variation of is the proportion of the sum of the coefficients of variation of all dimensions. Then the coefficient of variation of each dimension is: $V_i = S_i \sqrt{A_i}$, where V_i represents the coefficient of variation value of each dimension, S_i represents the standard deviation value of each dimension, and A_i represents the mean value of each dimension. After calculating the coefficient of variation V_i of each dimension, the weight calculation formula of each dimension is shown in formula 2

$$W_i = \frac{V_i}{\sum_{i=1}^m V_i} \quad (2)$$

From the perspective of Smartbi big data application, as a representative of big data technology, combined with the actual experience of my country's past financial poverty reduction work, in terms of the construction of poverty information database, the establishment of this system has many defects, the whole is not sound enough. In order to effectively improve this problem, through the application of Smartbi big data in financial poverty reduction, it is possible to establish and improve the financial poverty reduction information resource base based on the guidance of advanced information technology, so as to build a more comprehensive financial reduction system. The poverty data information platform can effectively integrate and analyze various types of data and information, and provide an important basis for the actual work of financial poverty reduction and decision-making. By improving the acquisition and analysis, accuracy and validity of data and information, staff ensure that fiscal poverty reduction work is feasible and promote our country's development goals of national prosperity [2].

3 THE SPECIFIC APPLICATION OF SMARTBI BIG DATA IN FINANCIAL POVERTY REDUCTION

3.1 Building a big data poverty reduction information processing platform

In terms of financial poverty reduction, through the application of Smartbi big data, the most effective manifestation is the construction of a financial poverty reduction information platform to collect, process and analyze relevant data information, so as to achieve financial poverty reduction information. It is updated in a timely manner and based on the construction of a rich data information base to provide guarantee for the development of related work. Not only has it effectively improved the problems of information asymmetry and information islands that have always existed in financial poverty reduction, but also further improved the accuracy of financial poverty reduction in data and information analysis and processing. Figure 1 below shows the Smartbi big data poverty reduction flow chart.

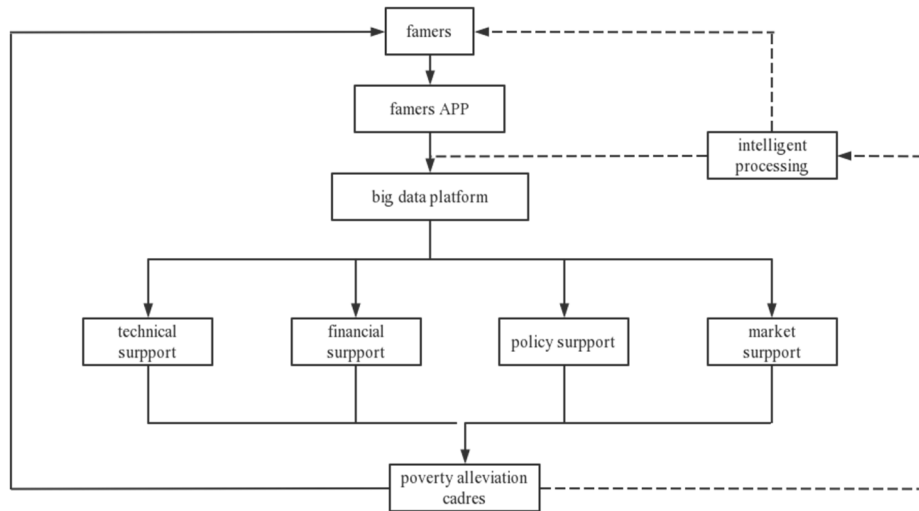


Figure 1 Smartbi big data poverty reduction process

3.2 Improve the effectiveness of poverty reduction management

Taking the financial poverty reduction work in a certain region as an example, the region has abundant natural resources, but when the financial poverty reduction work is carried out, it has been unable to establish a clear development goal, which eventually leads to the development of the relevant poverty reduction work. Figure 2 shows the disposable income data of residents in poor areas in the past eight years obtained by using Smartbi big data.

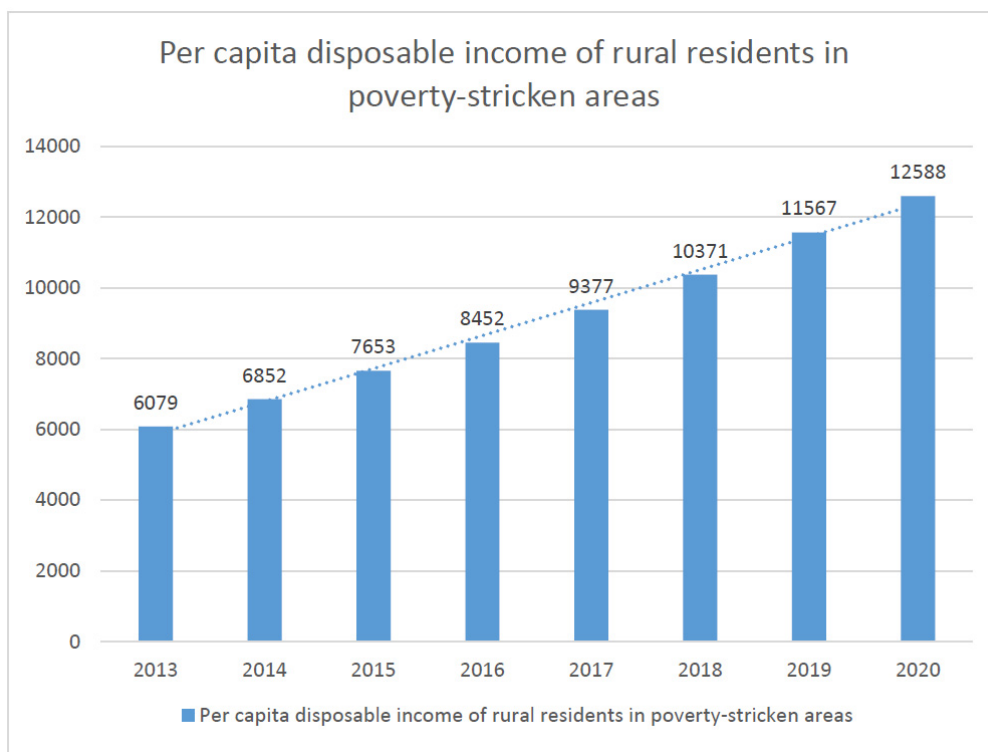


Figure 2. Disposable income of rural residents in poverty-stricken areas in my country from 2013 to 2020

It is difficult to reflect the effectiveness and substance. Through the application of Smartbi big data, a more accurate data information processing platform can be used as the basis to clarify the direction and specific content of its financial poverty reduction work, so as to formulate scientific, rational and normative financial reduction measures. The theme of poverty reduction is taken as the basic criterion for the development of poverty reduction work. In this direction, implement poverty reduction work, thereby effectively improving the effectiveness of poverty reduction management. In addition, it can also reflect the importance and role of related work. Table 1 below shows the goals and related content of big data poverty reduction in a certain region.

Table 1 Specific content of big data poverty reduction goals in a certain region

Big Data Poverty Reduction Theme	Poverty reduction content
Observation	Create beautiful scenery based on forests, grasslands, lakes, rivers, geoparks, wetland parks, etc.

animal husbandry	Based on mountain sports, bamboo kring ball, grass sports for walking and running, etc., it forms a place with rural sports characteristics.
culture	Based on the characteristic Tujia culture and the Bayan Ancient Road, Ginkgo Hall, and Sanjiao Temple, it is a place to recuperate the body and mind with culture and tranquility.
Recuperation	Relying on the deep processing of Chinese herbal medicines such as <i>Coptis chinensis</i> , and health consulting management services, to create a blessed place for recuperation
Live in	Based on Tujia health care towns and rural dwellings, etc., it constitutes a paradise for living

3.3 Realize the organic combination of big data technology and poverty reduction work

Through the application of Smartbi big data in financial poverty reduction, the effective combination of the two can be realized, and then the form of financial poverty reduction work can be innovated, so that relevant staff can find the root cause of poverty based on the actual situation of poverty-stricken areas. It can also help people in poverty-stricken areas get rid of poverty and improve the efficiency of big data technology. Through the organic combination of financial poverty reduction and Smartbi big data, it can also realize scientific and rational planning and management of financial poverty reduction.

4 CONCLUSION

In general, for my country's financial poverty reduction, poverty-stricken areas are currently in a critical period of poverty alleviation. In order to achieve comprehensive poverty alleviation, it is necessary to pay attention to the application of advanced science and technology, and departments at all levels need to correctly understand Smartbi big data. The importance of application in financial poverty reduction is to give full play to this effect to help the development of poverty alleviation [3]. In recent years, due to the impact of the new crown pneumonia epidemic, the development of my country's financial poverty reduction related work has been hindered to a certain extent, which has slowed down the process of my country's comprehensive poverty reduction work. Based on this, it is necessary to vigorously develop and apply Smartbi big data. In this way, the efficiency and quality of financial poverty reduction work can be improved in an all-round way, so as to point out the direction for the development of my country's poverty alleviation work, and provide an effective way to provide guarantee for the development of poverty alleviation work.^[4]

Acknowledgements. The study was supported by “ the Scientific Research Special Project of Shaanxi Provincial Department of Education in 2020: Research on Poverty Reduction Effect of Inclusive Finance in Shaanxi Province (Project No.: 20JK0036) ”.

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