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Research Article

Innovation of Social Work Model Based on Big Data Analysis of the Internet of Things

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The explosion in the number of Internet of Things (IoT) devices simply reflects how the growth of big data overlaps perfectly with the growth of the Internet of Things. With the advent of the era of big data, the continuous development of our country's economy, and the continuous progress of society, the development of social work is also influenced by economic and social development and continues to go hand in hand, making corresponding contributions to the development of our country's society. Meanwhile, the gradual imbalance between social development and economic development has put much pressure on social work organizations. The research on the social work development model has aroused the concern and discussion of some experts and scholars in recent years. In our paper, we aim to analyze the characteristics of social work models, the role of social work institutions, and the problems of social work models and combine them with qualitative research and quantitative research to make the questionnaire survey method. The results of the survey show that the effective percentages of "satisfaction" and "very satisfied" for "your enthusiasm for work" and "sense of accomplishment that your work brings you" are 68.0% and 58.7%, respectively. It can be seen from this that social workers have a strong sense of experience in the overall work when performing specific tasks.

1. Introduction

Since the reform and opening up, great changes have taken place in our country's social politics and economic development [1, 2]. At present, our country is in a period of social transformation, with sustained and rapid economic development, gradual improvement in comprehensive national strength, increase in living standards of the people, and significant improvement in the level of urbanization. At the same time, the social work model also encounters new problems and contradictions in the development process, requiring the government and all sectors of the society to work together to continuously solve the problems and promote the innovation of the social work development model. This article aims to study the innovation of social work models based on big data analysis. However, the gradual imbalance between social development and economic development has led to a series of social problems; especially as the urban population continues to increase, the all-encompassing "unit person" system and the original

street housing system have been difficult to adapt to urban development [3, 4].

With the deepening and development of the localization of social work in China, the construction of social work organizations in our country has received much recognition and attention. As our country's social work organization has had a major start and development, it has played an important role in the professionalization of China's social work [5, 6].

Based on the analysis of the characteristics of the social work model, the role of social work institutions, and the problems in the social work model, this paper conducts a survey of job satisfaction among social workers through a combination of questionnaire survey and qualitative research and quantitative research and then makes suggestions for the problem. The results of the survey show that the effective percentages of "satisfaction" and "very satisfied" for "your enthusiasm for work" and "sense of accomplishment that your work brings you" are 68.0% and 58.7%, respectively. It can be seen from this that social workers have a

strong sense of experience in the overall work when performing specific tasks.

2. Innovation of the Social Work Model Based on Big Data Analysis

2.1. Research Methods

2.1.1. Questionnaire Research Method. In addition to the collection, sorting, and summarization of existing data, this article will collect the latest information on the professional satisfaction of social workers through questionnaire design and use statistical software and statistical knowledge for analysis, hypothesis, and demonstration.

2.1.2. The Method of Combining Qualitative Research and Quantitative Research. This article mainly uses qualitative analysis and combines normative methods and empirical research methods to make the empirical analysis more objective, true, and comprehensive. Quantitative analysis is based on qualitative analysis to improve the scientific nature of the argumentation process and make the argumentation results more convincing.

2.2. Characteristics of the Social Work Model

(1) The specific service content of social service work mainly includes the field involved in social service, and the service objects of it mainly refer to those general social groups that are relatively disadvantaged in the society, such as elementary school children. One of their main responsibilities is to help those with special needs through their own life and work, integrate all social information resources, coordinate various social relations, prevent and solve social problems, and restore and play social functions [7, 8].

(2) It must have a comprehensive and specialized social work service concept centered on social science research activities; that is, strictly follow the values of "helping others and self-help" and "altruism," and use the various social work masters. A variety of special professional skills and methods and various information of science and technology provide a more specialized social work service for the people who need services. This may be said to be a special manifestation of the difference between the current social labor organization and other social welfare organizations in our country [9, 10]. In addition, the gap between the rich and the poor in our country is increasing, the contradiction between urban and rural areas has become increasingly prominent, and participation outside the system has become more prominent. Even the use of excessive means to express it has become the main factor affecting the harmony of the entire society.

(3) The main members of social work organizations need to include professional and technical personnel with corresponding social work education and cultural backgrounds. Nowadays, although the founders of civil society work organizations and institutions in our country say that a considerable part of them belong to enterprises, all the second-level personnel responsible for providing services to them need to include a group of professional social work technicians [11, 12].

2.3. The Role of Social Work Agencies

2.3.1. Providing Services. The social work profession regards the provision of various social service courses as its core task, which determines an important responsibility of our community work mass service organization, which is to provide services to the masses of our community. From the perspective of the theory and practice system of our social service organization work in Hong Kong and developed Western countries, highly professional social work service organizations play a very important position and role in our social service field and assume a very important role.

2.3.2. Promoting Social Harmony. At present, the level of institutionalization procedures in our country's political system is far from high enough, and channels for the expression of its interests and political communication are limited. Under such circumstances, it is obvious that local government departments alone can broaden the ways of expressing other interests and alleviate social contradictions but are far from sufficient to completely solve all problems. Under these conditions, the role of social work service organizations in alleviating social conflicts is particularly important. In this way, it effectively alleviated the social conflicts caused by the gap between the rich and the poor and promoted the harmony and development of the entire society. It is necessary to reasonably set up the working environment of workers, which is helpful to solve the "sense of oppression" existing in the work of workers and to continuously reduce the work pressure of workers, which is conducive to improving the work efficiency of workers.

2.3.3. Promoting the Professional Development of Social Work. In the course of its development, social work service agencies in our country have paid much attention to various professional and comprehensive social work skills training. Social workers have participated in the practice while learning and accepting systematic social work skills training. The organization has made a significant contribution to the specialization and professionalization of this social work industry.

2.4. Problems in the Social Work Model

2.4.1. From the Perspective of Senior Managers, Focusing on Management instead of Service Has Increased the Workload of Social Workers. The design of this model is based on a top-down perspective, starting from the perspective of institutional managers and implementing it to all levels,

departments, and social workers from top to bottom. The starting point is not based on service, but based on management, and lacks thinking from the perspective of social workers. The establishment of the system is also to facilitate the management, promote the management of the organization to grasp the service, improve the effectiveness of management, and increase the score of the organization's evaluation.

2.4.2. The Content Is Fragmented, and There Is a Lack of Association between Various Parts. In actual use, it was found that the four systems of "planning, monitoring, evaluation, and tracking improvement" in this model seemed to be a complete system. But in fact, it was easy to break apart, forming a block-based treatment of each system. For this reason, the system lacks relevance, lacks logical thinking at the overall system level, fragments the content of each part, and lacks relevance between each part.

3. Experiment

3.1. Research Purpose. With the advent of the era of big data, our country's society, economy, and culture continue to advance with the times. The career development in the field of social work is also thriving. With the gradual increase in comprehensive national strength, our country's social work field talent training and team building have also been put on the development agenda. This article examines how this group is satisfied with the work mode from multiple angles and aspects, analyzes the influencing factors that affect work mode satisfaction, and proposes model innovation countermeasures and suggestions for specific factors so that the entire social worker group can obtain higher satisfaction which makes the whole social work more vigorous. Social work service organizations have provided poverty-stricken people help in various aspects such as households, women, the disabled, social relief, health care, and other services. Preventable and thoroughly resolved services provide poor groups, who may not have regards to social welfare, with a way to solve the difficulties and challenges brought about by their own survival and healthy and sustainable economic development.

3.2. Questionnaire Design. The research objects of this article mainly come from nearly 200 social workers in three regions. During the questionnaire survey, the questionnaires are mainly distributed and returned. The content of the survey is the satisfaction of social workers with their work patterns. A total of 200 questionnaires were designed and distributed based on the research data, 186 valid questionnaires were returned, and the questionnaire efficiency reached 93%. Finally, SPSS17.0 statistical software was used to analyze all the returned questionnaires by frequency analysis.

3.3. Reliability Test of the Questionnaire. The so-called half-reliability is to divide the questionnaire into two halves and then calculate their reliability coefficients separately. When the reliability coefficients of the two halves are the same, the Spearman–Brown formula is often used to obtain the reliability coefficient of the entire questionnaire.

$$r_{SB} = \frac{2r_{SH}}{(1 + r_{SH})}. \tag{1}$$

When the coefficients of the two halves are not the same, the Luhn formula should be used for calculation.

$$r_{\text{Rulon}} = 1 - \frac{S_{a-b}^2}{S_t^2}. \tag{2}$$

4. Discussion

4.1. Satisfaction in the Dimensions of Work Itself. The dimensions of work itself are mainly from the busy state of work, the degree of enthusiasm for work, the ability to exert personal value to work, the physical or psychological pressure brought to work, and the sense of accomplishment brought to work. These five aspects are used to study social workers' evaluation of job satisfaction. The specific statistics are shown in Table 1.

As can be seen from Figure 1 which shows the overall satisfaction of social workers with the various indicators of the work itself, the proportion of "satisfaction" is 45.8%, of which the "satisfaction" of "you are able to exert personal value at work" is effective. Its percentage is 56.8%, and the effective percentage of "very satisfied" is 19.9%. The two items of "satisfaction" and "very satisfied" are effective for "how enthusiasm you are for work" and "the sense of accomplishment that your work brings you." The sum of the percentages is 68.0% and 58.7%, respectively. It can be seen from this that when social workers perform specific tasks, they have a strong experience of the overall work. They are highly motivated and can acquire new knowledge and skills in the process of "helping others to help themselves" activities with clients. This is closely related to the core values of social work. But the item "you are busy at work" has very low satisfaction, and the effective percentage of "unsatisfied" and "very dissatisfied" is 68.0%. This fully reflects the contradiction between the society's huge demand for social workers and the lack of social workers' supply.

4.2. Salary and Benefits. The data in Figure 2 show that from the table, the effective percentages of "dissatisfaction" for "the fairness of your promotion" and "the welfare treatment of your institution" of social workers are 38.1% and 36.7%, respectively. Although the effective percentage of "very dissatisfied" for each factor is 0%, the evaluation of each factor is basically focused on the level of "relatively satisfied." This shows that the remuneration of social workers needs to be improved in terms of salary and benefits.

4.3. Suggestions for Social Work Model Innovation

4.3.1. Solving Job Difficulties and Improving Career Satisfaction. Workers should also learn to apply the methods and skills of social work to solve their pressure and negative emotions at

TABLE 1: The distribution of the effective percentage of each indicator of the work itself.

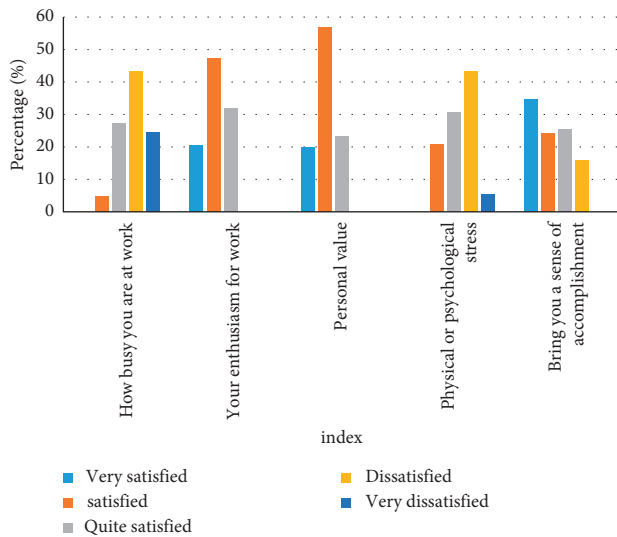|	Very satisfied (%)	Satisfied (%)	Quite satisfied (%)	Dissatisfied (%)	Very dissatisfied (%)
How busy you are at work	0	4.8	27.2	43.4	24.6
Your enthusiasm for work	20.6	47.4	32.0	0	0
Personal value	19.9	56.8	23.3	0	0
Physical or psychological stress	0	20.8	30.6	43.2	5.4
Bring you a sense of accomplishment	34.6	24.1	25.5	15.8	0

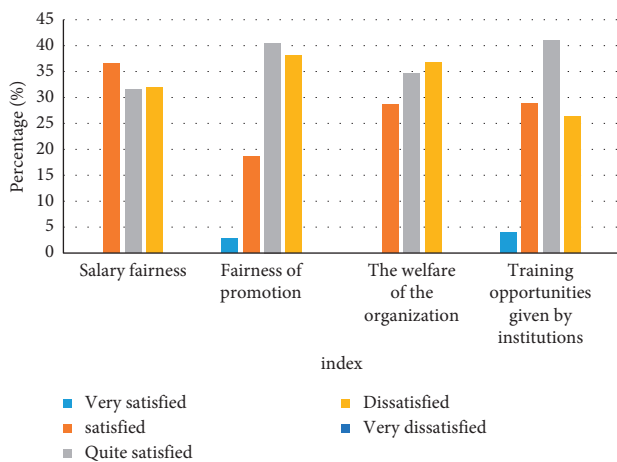FIGURE 1: The distribution of the effective percentage of each indicator of the work itself.

FIGURE 2: Distribution of the effective percentages of salary and benefits indicators.

work and deal with the negative emotions during work in time, so that the workers can achieve the best working conditions and better serve the clients. Secondly, workers must strengthen their own work philosophy, agree with professional beliefs, follow the values of social work, and combine their own actual conditions to give full play to their subjective initiative to solve problems arising in the work process. Thirdly, workers must train well in psychological

quality and good mentality, use the correct way of decompression to self-regulate, deal with the influence of bad factors anytime and anywhere, enhance workers' confidence in themselves, increase the affirmation of their workability, and continuously improve their sense of accomplishment.

4.3.2. Improving the Management System and Improving Work Motivation. The improvement of working conditions mainly starts from the hardware equipment of the unit and gradually updates and replaces the old hardware equipment so that workers have good experience in working hardware experience and solving the daily work caused by hardware equipment in the unit.

Salary is an important factor that affects the satisfaction of workers. For workers, survival is the first element. The current salary level of workers is still unable to solve basic living conditions. If there is not enough salary level to support workers to solve basic conditions, the pressure on workers' living areas in their lives will be very large. Insufficient compensation will reduce worker satisfaction, which will also give rise to some new problems. For example, the brain drain of workers is more serious.

5. Conclusions

Our country's social development institutions are still in the initial stage of development, and both human resources and project resources need support and encouragement. The main purpose of social work is not to engage in profit-making activities. The main funding for the work comes from the purchase of other social organizations by the local government and the donations of some public community welfare people, and it does not rely solely on the target of the service for delivery. There is still a need to help them get the funding subsidy for the next year through their own hard work.

Although the limitations of objective conditions make the development of social work institutions in our country difficult, the huge effect that social work brings to society is also obvious. I believe that under the continuous innovation of social work models, the profession of social work will surely play a powerful role in promoting the construction of a harmonious society in our country.

Data Availability

The datasets used and/or analyzed during the current study are available from the author on reasonable request.

Conflicts of Interest

The author declares no conflicts of interest.

Authors' Contributions

Tan Wenhan participated in the design of the study and performed the statistical analysis, coordination, and drafting of the manuscript. The author read and approved the final manuscript.

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