Research on the Management of Physical Education Resources with Big Data

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Abstract: At present, physical education in Colleges and universities lacks the correct understanding and understanding of the use of big data, the lack of professional application and management personnel, and the immaturity of big data application system. In educational practice, we should start from four aspects: optimizing teaching content, improving teaching quality, effectively improving the proportion of sports population in Colleges and universities, expanding the educational function of College Students'physique health test, and conducting teaching scientific research. Emancipate the mind, enhance the awareness of big data application, optimize the allocation of resources, enhance the development ability of big data resources, attach importance to the training of big data talents, and provide effective personnel guarantee for the construction of big data application ability.

Keywords: Big Data; Colleges and Universities; Sports Resources; Management

1. Introduction

The development of information technology promotes the maturity of big data technology and application, and achieves better governance performance in many fields. For a long time, China's mass sports has followed the administrative governance model, the government relies on experience to act on its subjective will, and unscientific decision-making still exists; the information barriers between government departments and levels are serious, the cost of government mass sports management is too high and too much intervention is excessive; the contradiction between the supply of public sports services and the increasingly diversified demand for mass sports is more prominent, which hinders the masses. Realization of modernization of mass sports governance [1-3]. From December to August 2017, General Secretary Xi Jinping, when presiding over the study of the Political Bureau of the CPC Central Committee, stressed that we should use big data to improve the level of modernization of national governance. Establish and improve the mechanism of big data assisting scientific decision-making and social governance, promote the innovation of government management and social governance mode, and realize the scientificalization of government decision-making, the precision of social governance and the high efficiency of public services. Accelerate data centralization and sharing in the field of public services, and form a strong joint force of social governance. Under the new historical conditions, the speech of the General Secretary is an important deployment to optimize government governance and social governance by using Internet thinking and information technology, and to promote the further development of public services. It is also an ideological weapon and an action guide to solve the current problems of mass sports governance system. At this stage, the national fitness has become a national strategy. The governance of mass sports is the top priority of our sports management. How to scientifically use network information technology to promote mass sports governance and better integrate into the "Internet +" social background and help the realization of national fitness strategy, these should be a topic of academic concern, and this is also achieved. The meaning of the great rejuvenation of the Chinese nation.

The development of sports informationization and the demand of resource integration. "Internet +" has been widely applied to various industries and departments. In the National Fitness Program (2016-2020 years) and the sports development 13th Five-Year plan, the State Sports General Administration explicitly requires that Internet + technology be applied to sports and the use of information technology to build a public sports resource platform. At the same time, with the demand of sports resources integration, taking the application of "Internet +" as an opportunity, we build a sports resource information platform of big data to solve the problems of uneven distribution of public sports resources, dislocation of supply and demand, and information errors in supply and demand. [4-5] The problem of big data of sports resources. Although the large data of sports resources has been developed in recent years, there are still many problems in the integration of large data of sports resources because of the huge and complex information and the content involved. For example, it is difficult to integrate the new software and hardware system with the old system, the correlation degree of data information on the system is relatively low, the classification of data is unreasonable, and the format of data is too different. The

concept of large data platform for sports resources information. The so-called big data platform of sports resources information is to use information technology to excavate sports resources information with certain use value, and store the information in accordance with the provisions to establish a large information resource database, and then on the basis of this large information resource database, derive and establish various user information platforms.

2. Advantages of Sports Intelligence Governance in the Background of Two Big Data

The traditional management system of mass sports has led to the division of government departments, poor operation, and the formation of inefficient "fragmented" government. The government is not closely related to the market and society [8]. It is not enough to face the governance problems of mass sports work by government strength alone. Intelligence governance is the combination of intelligence factors and governance factors. It is a new scheme to solve public management problems. It takes the emerging technologies such as network, big data and cloud computing as platforms to agglomerate the main bodies of society, market and the public, so as to promote the interaction and exchange between government and social subjects. By participating in the mass sports governance process on the platform, the government fully absorbs the opinions of other social subjects, carefully analyses the sports needs, enables the government to formulate a targeted mass sports policy, provide high-quality and personalized sports public goods to meet the needs of all parties, and promotes the government governance model from a single governance subject to government-led and public participation. The new model transformation of multi-dimensional and cooperative governance.

3. Application of Big Data in College Physical Education Teaching

Big data has been applied in college physical education. In the western developed countries, many well-known universities have started the research of big data of education. [1] In recent years, China has also attached great importance to the informationization of education and highly supported the in-depth integration of education and information technology. The Key Points of Education Informatization Work in 2014 promulgated by the Ministry of Education clearly points out that in order to continuously provide accurate data support for educational decision-making, it is necessary to strengthen the integration of relevant data resources, do a good job of dynamic monitoring, strengthen the application of decision-making, and provide educational prediction. The construction and putting into use of intelligent

campus, the popularization and use of new forms of education such as the intellectualization of higher education, such as Mu class, micro class, flip class, teaching platform and so on, all send a strong signal to the application of large data and information technology in Physical Education in Colleges and universities.

3.1. Optimizing teaching content and improving teaching quality

To a certain extent, the differences between teachers'abilities and teaching experience determine their teaching effect in the classroom, and the students' mastery degree will also have great differences. The application of big data technology can combine the advantages of many teachers, realize the optimization and integration of resources, and enable teachers to grasp the teaching effect in an all-round way. In addition, big data can also provide different teaching methods for teachers to teach in accordance with their aptitude, which is more conducive to optimizing the teaching plan and content. In addition, big data technology can also be used in classroom teaching, so that the classroom will become more places for summary, communication and display, and targeted and diversified sports education model will gradually be accepted and recognized by students and parents. [4] Therefore, actively promoting and applying the related technology of big data in the field of physical education in Colleges and universities can improve the quality of physical education, extracurricular sports activities and sports training more effectively, and further improve the physical quality of college students in all aspects.

3.2. Effectively increasing the proportion of sports population in colleges and universities

According to statistics, the proportion of sports population in Colleges and universities is not optimistic, accounting for less than 20%-40% of the total population. Although students have accepted physical education in primary and secondary schools, students'sports ability is still general, and in addition, they lack a correct understanding of the idea of physical fitness and ability education. In the sample survey of P.E. teachers, it can be found that after the majority of students in the Journal of Qiqihar University (Philosophy and Social Sciences Edition) entered the university, their recognition of the importance of P.E. class still remained at the middle school stage, their sports ability was declining year by year, and they lacked the necessary theoretical and technical guidance of P.E. [5] This is also the main body of P.E. education in Colleges and universities in the reform and development. One of the major obstacles. However, by collecting the data of College Students'sports cognition, sports knowledge education and the frequency of sports participation, we can analyze and extract the relevant contents of sports education, such

as the items suitable for college students' participation and the period of participation, so as to cultivate their good sports attitude, good exercise habits, grasp the basic knowledge and skills of sports, and become the real sports population. One member.

3.3. conducting scientific research in Teaching

With the scientific and systematic development of physical education teaching in Colleges and universities, more and more researchers put physical education teaching into the perspective of big data, using the big data generated by traditional data and network platform, mobile terminal equipment and wearable equipment to analyze, evaluate, intervene, guide and predict students'learning process and learning behavior. However, many college physical education workers still use old concepts to view the problem of college physical education. Therefore, we regularly train and learn modern information technology for College Physical Education workers, constantly instill advanced teaching concepts and modes, let them accept new concepts in the context of the development of a new era, and then change their traditional and old series of teaching. Ideas of learning and evaluation.

4. Concluding Remarks

The information platform of sports resources based on big data construction can effectively distribute and utilize sports resources information, solve the problems of uneven distribution of sports resources information, dislocation of sports supply and demand, and misinformation of sports resources. Under the background of big data era, we should speed up the pace of sports information construction in China and promote the participation of the whole people in sports fitness.

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