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Binary Game Framework of Sports Culture Communication Channels and Health Data Based on Quantum Decentralized Data Integration

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Abstract: Based on the two core applications of quantum information, this paper analyzes the current consensus channels and health data patterns of sports culture dissemination. First, it expounds the dual structure of the dissemination of sports culture, builds a quantum decentralized data integration center based on blockchain, provides financial support for the construction of college students' sports culture, and provides platform support for health data. Then, a sports culture dissemination and promotion system was constructed, from perfecting and standardizing the sports system, shaping and maintaining a good image, establishing brand awareness, innovating dissemination content and dissemination methods, adhering to people-oriented, and striving for government support. The experimental results proved that based on quantum decentralization The binary game method can effectively increase the scope of sports culture dissemination and improve the analysis of health data.

Keywords: Binary Game Framework, Sports Culture Communication Channels, Health Data, Quantum Decentralized Data

1. INTRODUCTION

Binary game framework is different from the previous system-centric personal data storage usage, it is a peoplecentric personal data storage usage. Our personal data is stored in hospitals, governments, e-commerce websites, etc. PDS collects and stores data on an individual basis [1]. Blockchain technology is considered to have a more convenient and effective data management model, with better security and privacy Protection mechanism and have lower maintenance cost and good system stability. If digital identity is scattered, each digital contact will issue a digital identity to identify individuals. To this end, we have to repeatedly enter similar information into the ID/PW every day, just like we have various registration cards, loyalty cards, credit cards, driver's licenses, etc. in our wallets. To make matters worse, our data is gradually being created around these disjointed digital identities [2].

It is of great significance to deeply understand the unique role of sports in the process of building a socialist cultural power and building a socialist harmonious society, and consciously integrating the goals and tasks of sports culture construction into sports practice [3]. It reflects strong comprehensive functions and social value. It is of great significance to deeply understand the unique role of sports in the process of building a socialist cultural power and building a socialist harmonious society, and consciously integrating the goals and tasks of sports culture construction into sports practice [4].

Algorithms are the greatest common divisor of global civilization and the basis for the most consensus among all mankind. [5] Today, algorithms, data and computing power, as the three cornerstones of artificial intelligence, are quietly changing people's production and lifestyle through continuous upgrading, especially the "computing power" exhibited by quantum computing. It is difficult to judge the origin and reliability of the data. This is indeed the case, and the derived data may have flaws or be illegally tampered with for profit. Data traceability is one of the effective measures to solve these problems [6].

The definition of regional culture is the sum of all the material and spiritual wealth created by regional members through practical activities [7], which is a multi-level and multi-structure complex with unique characteristics. Regional culture can reflect the values and way of life of the group in the region, including geography, history, food, folklore, economy and so on [8]. The transmission of information is easy to be fragmented and superficial, while indiscriminate and out-of-context reports will spread misinformation and make students misinterpret. It can be said that new media is a "double-edged sword". If used properly, it will deliver positive energy to the society, otherwise it will cause some relatively negative social impacts [9].

In the 1990s, Western Europe and the United States began to focus on the cultural nature of sports in the field of sports research [10]. At the end of the last century, the United States established a cross-cultural communication study focusing on media research, which greatly promoted the global spread of American sports culture [11], making the United States become an example of the dissemination of sports culture. Generally [12], the blockchain architecture can be divided into four layers according to functions, which are: user layer, service layer, core layer and base layer [13]. Among them, the base layer and the core layer provide the basic operating environment and consensus services for the blockchain system. Blockchain is a distributed ledger technology based on the principles of cryptography [14]. Digital signatures protect the integrity and unforgeability of blockchain data. Hash pointers connect blocks end-to-end in sequence [15].

2. THE PROPOSED METHODOLOGY

2.1 The Quantum Decentralized Data Integration

The core of the blockchain is a chained distributed database guaranteed by cryptography, so it can be said that cryptography is the most fundamental guarantee of blockchain security. The two-way encryption algorithm used in communication between nodes can usually be divided into symmetric encryption algorithm and asymmetric encryption

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algorithm. Through investigation, it can be found that by using the "asymmetric encryption" and "hash" algorithm characteristics of blockchain technology, archives management agencies can achieve impressive results in many aspects, such as the secure transmission of archive information data and the protection of user information privacy.

Data traceability, as the name suggests, is a technology that traces the origin and origin of data, and traces the source and production process of data according to the recorded traceability data. Through data traceability, people can find the source of the object to be traced, judge its authenticity in order to safeguard their rights, or gain a deeper understanding of the comprehensive information of the traced object. When the input value length is the same, the calculation speed of the multilinear hash function is about 7.5 times that of the Toeplitz hash function, and the key length is about 11.5 times.

2.2 The Sports Culture Communication Channels and Health Data

From the definition of communication science, we can understand the communication of sports culture as: through the study of sports culture, increase public interest and recognition, and make the whole world run more happily. Use GO language to simulate the MH-USS signature scheme and test the parameters of the platform. Due to the limited experimental environment and no QKD-related hardware equipment, the method of generating pseudo-random numbers is used to simulate QKD. From the comparison of the two tables, the difference in the degree of attention between traditional media and new media is obvious, and the students' attention to traditional media is significantly different. Generally low, especially for paper reading materials such as newspapers and periodicals, showing a very low degree of attention. On the other hand, new media are on the contrary. Except for individual forms of communication in the past, most new media have received a very high degree of attention to the process of sharing keys to avoid the situation of transmitting keys in plaintext.

Different from traditional distributed storage, the blockchain network has the following characteristics: First, each participating node has a complete data storage process, and each node is independent. The awareness of physical activity is that students recognize the meaning and role of sports in physical activities on the basis of the active psychological activities generated, this survey takes the number of students consciously participating in physical activities per week as the basis for analyzing the awareness of physical activities. It is not conducive for Chinese learners to understand the regional culture of Liaoning, and cannot help Chinese learners in Liaoning to improve their intercultural communication skills. eliminate cultural shock and anxiety. Therefore, as the dissemination path of Liaoning regional culture, studying in China should be adjusted in a targeted manner. The traditional sports culture of ethnic minorities is the worthiest of dissemination and promotion of cultural information resources in Dehong Prefecture. Although this resource is abundant, its inheritance and protection are still insufficient at present, and many projects are almost dying out. It needs to be introduced into public life by means of mass media and even sports development. There are four forms of communication: interpersonal communication, communication, group organizational communication and mass media.

2.3 The Binary Game Framework for Dissemination Channels and Health Data

Corresponding to the basic unit of conventional computers, the basic unit of quantum computing is the quantum bit. Email is the main way for foreigners to communicate with our province before coming to Liaoning. Taking college admissions as an example, when sending emails, schools' package and send promotional videos, pictures, articles, etc., containing the introduction of Liaoning regional culture, which can be passed on to students and play an active role in spreading Liaoning regional culture. The analysis believes that although the entry of foreign media has brought new understanding and possibility to the dissemination of sports culture in Dehong Prefecture to a certain extent and has also broken the monopoly of local media to a certain extent, the development of mass media in Hongzhou still follows the same trend. Not on the development of local sports and cultural resources. After all nodes receive feedback messages from nodes and clients, they enter the next round.

Further research is the nonlinear structure proposed by Loewenberg, where the blocks are ordered in a DAG, each block allowing multiple predecessors. That is, the pointer field of the block header of each block may contain multiple pointers to the previous block.

3. CONCLUSION

All activities and even hardware facilities for the dissemination and promotion of sports culture contain elements of educating people. The creators and disseminators of culture should establish the concept of "people-oriented", so that the masses can feel the humanistic care of sports culture through the activities themselves. The dual structure of health data and sports culture plays a subtle role in educating people. On the track of quantum computing, archival information technology researchers must catch up, especially paying close attention to the development trend of new technology innovations such as blockchain, quantum computing, and artificial intelligence.

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