Research on the Application of Artificial Intelligence Technology in Modern Sports System

Le Huang[1, *], Xiaoxiao Hu[2, *]

Nanchang University College of Science and Technology, Gongqingcheng, Jiangxisheng, 332020, China
Corresponding author's e-mail: xdfc8562@126.com[1]
Corresponding author's e-mail: zxcc3215@126.com[2]

Abstract:
Artificial intelligence is a relatively important technology in China, which is of great significance to promote the development of China's sports industry. Sports system is an important means to assist sports training, mainly with the Internet, the big data technology, cloud computing, cloud storage and other information technology as the carrier.In addition to advanced computers can only hardware equipment, with its high precision to accommodate massive information about sports. Based on the environment of big data, this paper takes the development of sports as a research goal to make relevant analysis, and puts forward the corresponding solution, aiming to speed up the development of sports speed and process, so as to improve the attention of sports.

Keywords: *Artificial Intelligence, Sports*

1 INTRODUCTION

Sports is an important product in the process of human socialization, which can provide mankind with positive spirit [2]. Regular sports will promote people's health, meet human spiritual and cultural needs, and promote national unity. While mainly promoting social progress, it gives human society more autonomy and independence. With the improvement of the first dia technology and the progress of the professional development of physical education teachers, the introduction of artificial intelligence technology into the field of sports will certainly become the research theme and hot spot today [3].

2 TEST MATCHING DEGREE OF ARTIFICIAL INTELLIGENCE TECHNOLOGY AND SPORTS

Sports training system is a digital system equipped by many sports universities. It has a relatively stable computer system [4]. Allow many people to login access at the same time to provide online sports, sports information loss and store dynamic display, sports data download. Online exam online selection information modification and other functions to realize the daily movement and after work efficient management can provide students and teachers with diversified sports information services greatly improve the efficiency of sports work [6]. The above are the basic sports service functions provided by the traditional sports digital system, which can effectively save teachers' time and energy in dealing with daily sports affairs. It provides a help to get offline sports time. This requires that the teaching system can undertake more movement transaction processing tasks. It Provide richer and more intelligent functions, so as to reduce the negative phase of teachers and students, and embark on the road of modern intelligent education [7].

Table1 Test matching degree of artificial intelligence technology and sports

Test matching degree of artificial intelligence technology and sports	School	Family	community
percentage	67%	35%	46%

From the technical analysis of artificial intelligence can be found that it and university digital system design

application adaptability, artificial intelligence technology widened the computer system design mode innovation traditional network architecture path, make digital system design more efficient and stable, not because of overload system stuck or crash phenomenon, so the emergence of sports system designers [8].

$$\zeta + [A1 \times C2(\mu + \theta 3)] \qquad (1)$$

Artificial induction sensitivity to images and thermal imaging, Therefore, it improves the privacy and security of user login. Connect this intelligent sensing technology to other devices and realize remote login, Optimize the user's login experience. Finally, the application of artificial intelligence technology makes computer systems have better compatibility and expansion value, Enrich the functions of computer programs based on the sports system can provide more personalized, more user-sticky functions such as multi-person interactive online sports classroom students and teacher can control interaction. It can also set up forum-like modules in the sports system, Convenient discussion and communication between different users is built-in to use the suggestion feedback section, Instant transfer to the system development background, It provides effective information data for optimizing the system [9].

3 APPLICATION OF ARTIFICIAL INTELLIGENCE TECHNOLOGY IN PHYSICAL EDUCATION COURSES

The construction of the teaching platform and the module will simulate the practical theoretical knowledge of the modern sports human body science. Taking into account the traditional experimental teaching process, the relatively simplified and realistic experimental teaching layout and the actual human body movement scene are set up. The modular and scenario-based operation interface is the same as the actual human motion, and the experimenter can choose the corresponding type of human motion process and unit operation model on the imitation straight interface.

Only when the experimenter correctly designs the action sequence of the actual movement process and the sequence of movement unit operation can they complete the customs and perform the subsequent operation. Unit operation can present the internal 3D structure of the moving body as required; using 3D or 4D technology to make the experimenter fully realize the pressing scene and action sequence operation: human-computer interaction. They adjust the parameters and display the real-time motion effects. Record, track and feedback information in real time, and display the corresponding artificial intelligence pictures. It make the necessary simplified visualization and visualization of complex processes such as human movement. In recent years, artificial intelligence technology has been continuously

developing and improved. Gradually applied to construction, planning, teaching, and the military industry. It has played a great role in promoting the development of these industries [10]. Physical education is also beginning to try to introduce the technique. Artificial intelligence technology innovates the teaching mode in physical education teaching, breaking the original teaching mode of residence to break the dilemma of high risk and high difficulty action. In order to deepen students 'movements in the learning process, strengthen physical health but also steadily improve students' psychological endurance, exercise students' psychological development [11].
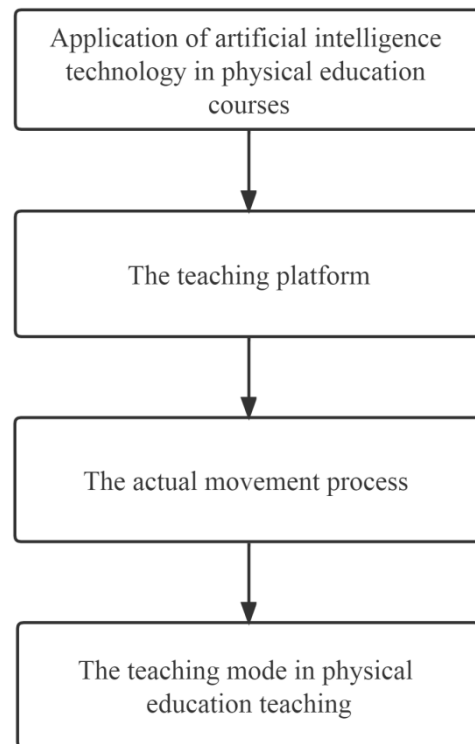

Figure 1 Application of artificial intelligence technology in physical education courses
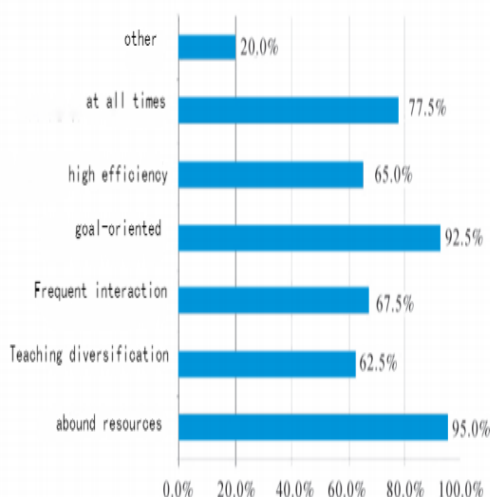
Figure 2 Sports Intelligent System Control Center

4 DEVELOPMENT STRATEGY OF SPORTS IN CHINA UNDER ARTIFICIAL INTELLIGENCE TECHNOLOGY
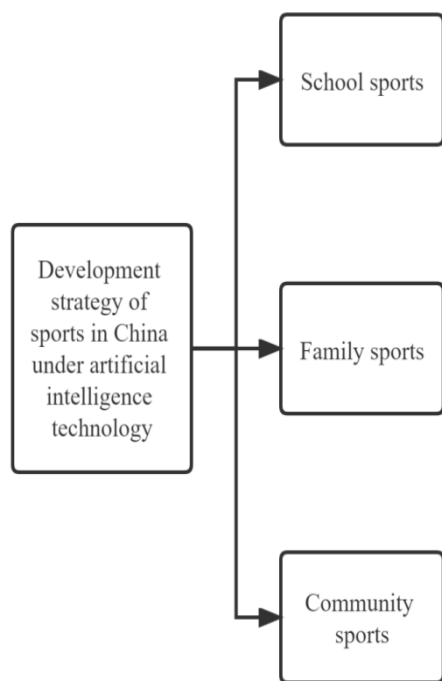

Figure 3. The Development Strategy of Sports in China under Artificial Intelligence Technology

4.1 School sports

Schools are not only the main place for teenagers to carry out sports activities, but also the place for gathering policy information at all levels. In terms of policy, the development of school sports should closely follow the national development trend, timely adopt the relevant guidance and suggestions of science and technology

departments and examination and education departments, encourage teenagers to learn the relevant knowledge of artificial intelligence, carry out "artificial intelligence + sports" events, and hold sports activities dominated by science and technology and interest. Technical aspects [12]. In the popularization of "artificial intelligence + sports" activities, timely feedback from relevant departments should be provided to the teaching process. Personal level, should be cultivated in activities of artificial intelligence tools, let teenagers understand, participation, enjoy the artificial intelligence technology of new forms of sports activities, and education, guide teenagers independent of activities, not blindly, indulge in the experience of science and technology, cultivate teenagers sound personality rich knowledge of teenagers.

4.2 Family sports

Family is the place for the enlightenment and development of youth values. In terms of policy, parents should pay attention to national policy information and have forward-looking education. Parents should effectively supervise the family sports activities of teenagers, and consciously understand the sports and sports habits of teenagers after the emergence of artificial intelligence technology. At the technical level, parents should timely feedback information to schools and the community, actively understand the education model brought by the progress of modern science and technology, learn to master artificial intelligence equipment to assist teenagers to learn, so as to achieve the continuous dynamic optimization synchronized with school sports [5]. At the individual level, we should maintain positive guidance for youth sports activities, maintain good interaction with teenagers, cultivate their good habits of scientific fitness, and cultivate their health awareness. Family is the place for the enlightenment and development of youth values. In terms of policy, parents should pay attention to national policy information and have forward-looking education. Parents should effectively supervise the family sports activities of teenagers, and consciously understand the sports and sports habits of teenagers after the emergence of artificial intelligence technology. At the technical level, parents should timely feedback information to schools and the community, actively understand the education model brought by the progress of modern science and technology, learn to master artificial intelligence equipment to assist teenagers to learn, so as to achieve the continuous dynamic optimization synchronized with school sports. At the individual level, we should maintain positive guidance for youth sports activities, maintain good interaction with teenagers, cultivate their good habits of scientific fitness, and cultivate their health awareness [1].

Table 2 Development strategy of sports in China under
artificial intelligence technology

School sports	Family sports	Community sports
the place for gathering policy information at all levels. In terms of policy	the place for the enlightenment and development of youth values	the main place for teenagers to develop their sports interest and develop their personalized sports development

4.3 Community sports

Community is the main place for teenagers to develop their sports interest and develop their personalized sports development. In terms of policies, communities should actively respond to national policies, improve the rules and systems of community sports venues, open up community public places, update community sports facilities with The Times, and encourage community members to wear smart devices for physical exercise. In terms of technology, the community should cultivate high-quality community instructors, supplement and improve the knowledge content of artificial intelligence sports in the practice process of community instructors, so that teenagers can also accept scientific and healthy exercise outside school and family, so as to stimulate their interest in sports.
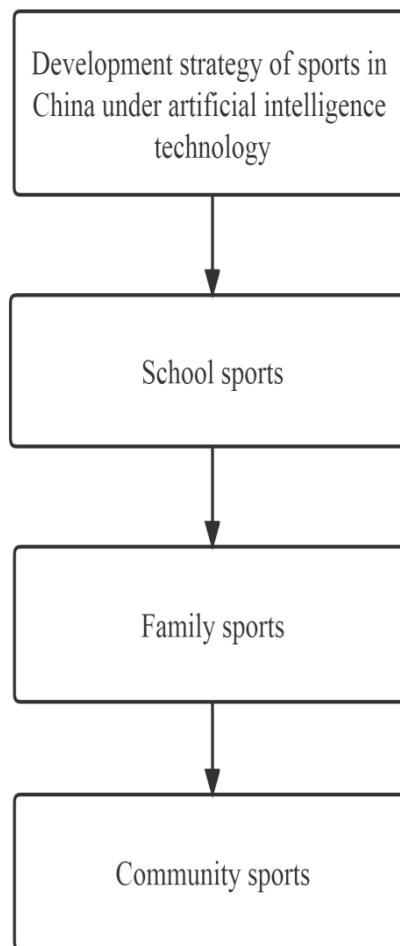

Figure 4 Development strategy of sports in China under
artificial intelligence technology

5 CONCLUSION

Artificial intelligence technology has a broad development prospect in China, and the future will be coordinated in many fields. Youth sports is the future of China's sports, leading youth sports, the new trend of formal sports development early can quickly promote the new process of China's sports development. In the sports activities that combine scientific and technological progress and policy, the relevant departments should also designate relevant policies to promote the relevant system of "artificial intelligence + sports", and actively encourage young people to keep pace with The Times.

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