

Analysis on the Effect of Cooperative Education of Physical Education Curriculum and Ideological and Political Education Based on Data Mining

Feng Qi*, Rubin Wang

Basic Teaching Department, Laiwu Vocational and Technical College, Jinan, 271100, China

qifeng2572@126.com, buweijing110@163.com

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Abstract: Physical education curriculum in institution of higher learning contains rich elements of IPE(Ideological and political education), which has a strong function of IPE. China is moving from a digital power to a digital power, and the importance of data thinking is becoming increasingly prominent. As a deep level data analysis method, DM(data mining) technology can comprehensively analyze the hidden internal relations among various factors. Based on DM, this paper analyzes the effect of coordinated education of physical education curriculum and IPE. Through analysis, we can get the result that IPE can be formed based on DM to enhance the pertinence and effectiveness of college students' IPE. Realize point to area, form the resultant force of education, give play to the unique role of IPE of college physical education courses, and provide reference for ideological and political construction of college physical education courses.

1. Introduction

In institution of higher learning, "Ideological and political theory courses should be strengthened through improvement, so as to enhance the affinity and pertinence of IPE, meet the needs and expectations of students' growth and development, and all other courses should keep a section of canal and plant a field of responsibility, so that all kinds of courses and ideological and political theory courses can go together to form a synergistic effect". IPE has become a new concept, a new task and a new practice of school education in the new era, which is a further innovation and deepening of the connotative development of education in China. Therefore, the physical education curriculum in institution of higher learning must take the initiative to take the responsibility of the physical education discipline in the overall pattern of educating people in institution of higher learning, and realize the in-depth excavation of IPE elements of physical education curriculum in college physical education teaching [1-2]. The former is mainly concerned with shaping the body, while the latter is mainly concerned with shaping the heart, and they are all committed to shaping the sound personality of college students. As a compulsory course for students, physical education in institution of higher learning should infiltrate the idea of IPE into teaching activities, and achieve the goal of collaborative education through different behavior teaching methods from other disciplines.

China is moving from a digital power to a digital power, and the importance of data thinking is becoming increasingly prominent. As a deep-seated data analysis method, DM technology can comprehensively analyze the hidden internal relations among various factors. Based on DM, this paper analyzes the cooperative education effect of physical education and IPE, and makes an investigation and analysis of IPE in college physical education, aiming to explore the present situation and influencing factors of IPE in college physical education, and dig out and sort out the IPE elements contained take part in physical exercises in class with the help of relevant teaching measures, so as to arouse their enthusiasm and interest in sports and make students have a healthy lifestyle [3-4]. Based on DM, the IPE will be combined, and the pertinence and effectiveness of IPE for college students will be enhanced. To realize the point-to-area, form a joint force of educating people, and give full play to the unique educational role of physical education class Cheng Sizheng

in institution of higher learning, so as to provide reference for the construction of physical education class Cheng Sizheng in institution of higher learning.

2. Physical Education Teaching from the Perspective of Ideological and Political Curriculum

2.1. Commonness of physical education and Ideological and political education

As a practical course, the physical education course has a variety of teaching forms. Teachers can improve students' humanistic precipitation and humanistic quality through project theoretical knowledge explanation and sports event appreciation, as well as cultivate their aesthetic taste. Physical education curriculum in institution of higher learning is intuitive, open, practical, interesting and infectious. It has unique advantages in IPE. It is relatively easy to integrate ideological and political elements into college physical education teaching activities. The characteristics of sports itself determine that college students tend to have high emotions during sports, and are more likely to show their psychological state hidden in their hearts at ordinary times [5-6].

The development of IPE in physical education curriculum should be to integrate the ideological and political elements of the curriculum into daily teaching activities appropriately, timely and naturally, such as the concept of socialist core values, the basic responsibilities of college students, college students' outlook on life, world outlook, etc., so that the university can feel the ideological education while exercising the body, and let the mind and body be educated at the same time [7]. Through sports competitions, we can cultivate students' frustration tolerance, rule awareness, competition awareness and correct attitude towards victory and defeat; We can cultivate students' innovative consciousness, problem solving ability and team consciousness through team games. In this state, one's ideas can often be displayed more intuitively and truly, which also provides the best opportunity for IPE.

2.2. Feasibility Analysis of Cooperative Education between Physical Education Curriculum and Ideological and political education

Physical education curriculum contains many ideological and political resources. As we all know, both sports competitions and sports teaching contain rich ideological and political resources, including healthy and upward cultural pursuit, team consciousness, enterprising spirit, humanistic feelings, etc. These unique hidden resources make it feasible to combine the two. Therefore, it is its proper meaning and only way to integrate ideological education into physical education courses. Curriculum IPE is a comprehensive, open and dynamic education system, which lacks an effective coordination mechanism, and the IPE construction is inevitably weakened or even broken. The key to the implementation of IPE construction in institution of higher learning is to form a long-term mechanism of all-staff, whole-process and all-round collaborative education [8]. Introducing ideological and political elements such as characters, history and events that are closely related to the curriculum into college physical education courses, analyzing the strength of the team, making college students watch the excellent quality of China women's volleyball team in middle schools, and making college students know how to cooperate and cooperate through skill teaching.

The teaching objectives of physical education courses include social adaptation, mental health, physical health, sports participation, sports skills, etc. Among them, physical health, sports participation and sports skills are mainly aimed at students' requirements for mastering sports knowledge and skills and physical quality training. Therefore, in the process of P.E. teaching, we should not only stay in the teaching of related skills and techniques, but also organically integrate IPE with sports cultural knowledge, so as to play the role of implicit IPE. Social adaptation and mental health are mainly the target requirements for students' social relations, social consciousness and psychological quality.

3. Analysis on the Effect of Cooperative Education of Physical Education Curriculum and IPE Based on Data Mining

3.1. Analysis of cognition of Ideological and political education in physical education curriculum based on Data mining

On the basis of fully understanding the needs and expectations of college students, they should integrate sports teaching resources, excavate ideological and political elements, actively guide college students, grasp the opportunities and nodes for ideological and political elements to be integrated into college physical education courses, so that the courses are enlightening and targeted [9-10]. Therefore, this paper will analyze the cognition of IPE in physical education curriculum based on DM technology. Based on the four core functions of IPE in college physical education curriculum, the questionnaire is designed for college students' cognition of IPE in college physical education curriculum, and corresponding questions are raised according to the four core functions for investigation. The results are shown in Table 1, The corresponding average score after data statistics (the highest score is 5 points, and the average score is 3 points).

Table 1 Distribution statistics of average scores of cognition of IPE in physical education courses

Thought leading function	Promoting the all-round development of human beings	Clarify the value orientation of sports	Cultivate and strengthen patriotism and national spirit	2.16 points
Shaping function	Self esteem and confidence	Relieve stress and reduce bad emotions	Shaping the spirit of dedication and cultivating moral feelings	2.58 points
Regulatory function	Understand the competition rules of sports events	Understand the penalties for violating the rules of the game	Understand the connotation of fairness, justice and laws and regulations	2.60 points
Incentive function	Stimulate the sense of competition	The power of example inspires interest in sports	Participate in and watch the competition to stimulate the collective sense of honor	3.56 points

Among the five core functions of IPE in college physical education courses, the average score of the survey of ideological leading function is 2.16, the average score of shaping function is 2.58, and the average score of standardizing function is 2.60. The average scores of these three functions are all lower than the average score of 3. The survey data shows that the functions of these three functions are not well played in college physical education courses. The average score of the investigation of motivation function is 3.55, which is insufficient in college physical education courses and needs to be improved. Under the DM technology, the idea of "IPE in curriculum" is infiltrated into the teaching in physical education class.

3.2. Cognitive Analysis of the Implementation Effect of Ideological and political education in Physical Education Curriculum Based on Data Mining

From its own internal point of view, college physical education curriculum includes teaching philosophy, teaching objectives, teaching content system, teaching method system, teaching evaluation system, etc., and it is a complete system composed of many elements. In a certain sense, it is the interactive process among various elements. In order to realize the unity of value and knowledge of IPE, we should pay attention to shooting skills and shooting skills in the process of carrying out research on the inheritance and innovation of traditional physical culture. Based on DM technology, this paper makes a survey on college physical education teachers' cognition of IPE in college physical education courses. The results are shown in Table 2.

Table 2 Statistics of cognition of IPE in physical education courses

The Influence of IPE into Physical Education Curriculum on Physical Education Teaching	Very favorable 18 persons 5%	More favorable 30 persons 59%	Commonly 5 persons 9%	Unprofitable 1 person 1%
Physical education teachers' implementation degree and consciousness of IPE	Many measures 5 persons 9%	More measures 16 persons 31%	Less measures 30 persons 59%	No 3 persons 5%
Factors influencing physical education teachers' IPE	School emphasis 36 persons 72%	No relevant evaluation and incentive mechanism 44 persons 87%	Implementation takes time and effort 29 persons 57%	Insufficient capacity 6 persons 11%

Through the statistical analysis of the interview and questionnaire data of college physical education teachers, it can be seen that the integration of IPE into college physical education curriculum based on DM technology has gradually become an education consciousness of college the former is mainly concerned with shaping the body, while the latter is mainly concerned with shaping the heart, and they are all committed to shaping the sound personality of college students. As a compulsory course for students, physical education in institution of higher learning should infiltrate the idea of IPE into teaching activities, and achieve the goal of collaborative education through different behavior teaching methods from other disciplines. The introduction of college sports to traditional sports is to promote its excellent components, use its historical and cultural value, and play its contemporary educational value. Therefore, college sports china is moving from a digital power to a digital power, and the importance of data thinking is becoming increasingly prominent. As a deep-seated data analysis method, DM technology can comprehensively analyze the hidden internal relations among various factors. Based on DM, this paper analyzes the cooperative education effect of physical education and IPE, and makes an investigation and analysis of IPE in college physical education, aiming to explore the present situation and influencing factors of IPE in college physical education, and dig out and sort out the IPE elements contained take part in physical exercises in class with the help of relevant teaching measures, so as to arouse their enthusiasm and interest in sports and make students have a healthy lifestyle curriculum.

4. Conclusions

"Ideological and political theory courses should be strengthened through improvement, so as to enhance the affinity and pertinence of IPE, meet the needs and expectations of students' growth and development, and all other courses should keep a section of canal and plant a field of responsibility, so that all kinds of courses and ideological and political theory courses can go together to form a synergistic effect". As a compulsory course for students, physical education courses in institution of higher learning should assume the responsibility of IPE, infiltrate ideological and political ideas in the process of physical exercise, and form a linkage mechanism of coordinated education of sports and IPE. Improving the ideological and political literacy of physical education teachers and building a collaborative and integrated education system of "physical education+IPE" in institution of higher learning are innovative measures for institution of higher learning to take physical education courses as the fulcrum to Based on DM, the IPE will be combined, and the pertinence and effectiveness of IPE for college students will be enhanced. To realize the point-to-area, form a joint force of educating people, and give full play to the unique educational role of physical education class Cheng Sizheng in institution of higher learning, so as to provide reference for the construction

of physical education class Cheng Sizheng in institution of higher learning, meet challenges and have a good team spirit, so that they can become socialist successors in the new era.

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