Research on Mixed Education Teaching Reform in the Era of Internet plus

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Abstract: *Nowadays, the technology of "Internet plus" is developing very rapidly. Its cooperation with education promotes the innovative development of educational reform practice, improves the vitality of education. The cooperation of online and offline education has innovated teaching ideas and changed the teaching situation. It fully enhances students' proactive practical skills, thereby improving their comprehensive quality level, developing new educational concepts, and promoting innovation in new teaching models. Tourism behavior prediction based on social network analysis employs social network analysis techniques to predict the behavior patterns of tourists in different stages of their travel, such as destination selection, itinerary planning, and activity participation. By analyzing the behavior patterns of tourists on social media platforms, social network analysis algorithms can identify the factors that influence their decision-making, such as personal preferences, social influence, and situational context, and generate personalized recommendations to improve their travel experience. For example, if a tourist has shown a preference for outdoor activities on social media, tourism behavior prediction systems can recommend relevant activities and destinations that match their interests. These systems can also incorporate real-time data, such as weather forecasts and traffic conditions, to adjust recommendations accordingly. Overall, tourism behavior prediction based on social network analysis can provide tourists with more personalized and satisfactory travel experiences, while also promoting the development of local tourism industries.*

Keywords: Internet plus; Online and offline; Blended teaching.

1. INTRODUCTION

Internet plus is to organically combine the original technology, change the original model and concept, generate new innovative ideas, develop a new era, and improve the original ideas. Take some measures to improve traditional industries, achieve new development, and promote each other to the highest level and requirements. Guide teachers to try online and offline hybrid teaching, seize the opportunity to use the development of technology, make full use of offline classroom teaching and online education open platform teaching methods, to give play to the best interests of Internet plus to promote development. Tourism path planning based on social network analysis utilizes social network analysis techniques to analyze the relationships between tourist attractions and design optimal travel routes for tourists based on their interests and preferences. By constructing a network of tourist attractions and their relationships, social network analysis algorithms can identify the most popular and relevant tourist destinations for a given user and generate a personalized travel path accordingly. These systems can also take into account the user's time constraints, budget, and transportation preferences to optimize the travel plan. Overall, tourism path planning based on social network analysis can provide tourists with more efficient and satisfactory travel experiences, while also promoting the development of local tourism industries. Aiming at the problem of long time, large matching error and many registration models for cooperative object based on orb feature matching, a global cooperative object pose calculation method based on sparse optical flow method and ray triangulation method is proposed. Based on the sparse optical flow method, the two-dimensional feature points are tracked, the points with bad matching are eliminated, and the pose calculation is realized by pnp algorithm. If the matching points are less, the feature points in the current frame are extracted by ray triangulation method and the world coordinates are estimated to improve the robustness of the algorithm. When the camera parallax changes too much, in order to prevent the accumulation of new feature point error, the feature matching is carried out in the original registration model, and then the current pose is calculated. Experimental results show that the speed of pose calculation is 6 times higher than that of orb feature matching algorithm, the error of feature matching is reduced by 19%, and the registration of model is reduced by more than 50%. And the algorithm has good applicability to illumination change, angle change and target surface similarity.

2. OVERVIEW OF INTERNET+OFFLINE AND ONLINE HYBRID TEACHING

Offline teaching is a traditional teaching method that teaches and narrates face-to-face. Online teaching is taught through a series of platforms, educational websites, official websites, etc. It is an extension of offline teaching. The combination of these two methods complements each other's advantages, advances together, and improves on each

other. In order to make students the main body of learning, make up for the shortcomings of classroom learning, and carry out meaningful teaching, teachers play a role in guiding, cooperating, guiding, and organizing. During the cooperation period, teachers can use the Internet to collect knowledge, use pictures and videos to play relevant knowledge points for learning, integrate the two methods, flexibly combine theory and practice, improve teaching effectiveness, and achieve innovative development in new fields.

Previously, teaching methods were very general and required significant reform and development. We cannot rely solely on blackboards, chalk, and oral expressions for up to 45 minutes of teaching. This teaching method only played a superficial role, with students responding and nodding in a meaningful manner. In the classroom, drowsiness and boredom were more common, and teachers would become a task-based teaching method, telling their own stories, Responsible for expressing the idea of being ready to go. Not playing the role of correct teaching, not realizing what offline classes are for. In today's era of information technology and the Internet, we must make good use of this advantage to maximize our benefits and build a new and effective platform for purposeful interactive teaching. Stimulate students' interest in learning, guide them to active learning, actively participate in creating meaningful courses, generate new highlights in this field, cultivate excellent talents, and give full play to the advantages of Internet plus teaching to the greatest extent.

2.1 What Publicity Is

The political culture guided by publicity can urge the government to respond to the people's livelihood demands in time in the supply of public goods. The deep integration of national fitness and national health is an important way to achieve healthy China, and only with everyone's participation and fitness can achieve health and happiness for all. Publicity is the intrinsic driving force of residents' participation, and by cultivating the public nature of the community residents and forming a consensus on the public interest, we can stimulate the input of the resources and actions of the residents of the community. Publicity, as an abstract consciousness, does not automatically arise, but needs to be nurtured[11]. The Chinese GDP per capita in 2019 has exceeded US$10,000. And based on international experience, when GDP per capita is between US$6500 and $7,000, sports fitness demand is on the fast track, and according to the national per capita consumption expenditure of residents in 2019 and its composition (Figure 1),it can be seen that the proportion of education, culture and entertainment and health promotion in which sports fitness needs are located is less than that of food cigarettes and even transportation communications, and that the structural reform of health service product supply must be deepened. The integration of physical medicine is a necessary choice to realize the deep integration of national fitness and national health, to identify and develop the health needs of residents, to coordinate the government, society, market and individual resources to provide professional and precise medical integration technical services, and to advocate the formation of organizational participation in the concept of community medical integration services. Health demand is the basic need of people for a better life, and this bottom-up demand supply is the intermediate mechanism that connects the government's macro-structure and micro-operators, mobilizes the participation of residents based on the overall health concept, and realizes active health.

2.2 How to Achieve Publicity

According to the social governance pattern proposed by General Secretary Xi Jinping at the Political and Legal Conference of the Central Committee, in order to adapt to the increasing diversification of values and interests brought about by the rapid economic and social development, nearly 300 million people in the whole society are directly or indirectly affected by chronic diseases and sub-health, which bring certain impacts on family harmony and social harmony. Therefore, the urgent solution to the health crisis caused by sports deficiency has become a widespread focus of attention. Based on the theory of social governance and the current situation of Social Construction in China, Li Youmei points out that "publicity" is based on individuals and is aimed at transcending extreme individualism, that is, self-interest, and that "publicity" as a purpose and value orientation refers to the common interests and values of people in a specific space[12]. Considering this, it is necessary to establish a common management and sharing mechanism based on the relevance of residents' health claims, and guide residents to establish the leading concept of publicity, so as to move out of the private domain and into the public domain. To this end, the multi-body of local governments, communities, social organizations, and residents should establish a sense of co-construction awareness and concept and adhere to the Party committee leadership, government responsibility, social coordination, public participation of the 16-word policy of common governance, so as to achieve the goal of people living and working in peace, and realize the country's long-term stability of the new situation of shared society.

2.3 Motivate Public Participation with Health Needs

At present, as for people's demand for health, health investment is relatively lagging behind, which still stays in the inertia of medical treatment consciousness, ignoring the pre-health management procedures, such as the physical quality, daily behavior and lifestyle, preventive health care and etc. It also contradicts with economic and social development. The integration of physical medicine is the most effective and economical technical means to treat sub-health. Not only can it save the consumption of medical resources in an exponential rate, but also greatly reduce the cost of disease treatment. According to the relevant studies, health promotion and disease prevention are the most cost-effective, with an input-output ratio of 1:13-1:20, i.e. an input of 1 yuan can reduce the cost of treatment of diseases by 13-20 yuan.

At the same time, "sports is a good medicine" has been gradually recognized. With the economic and social development, the function and value of sports are constantly excavated and applied. First of all, carry out the "home school club" collaborative development of health publicity activities, to train the public to establish a correct concept of health, improve health literacy, and lay a good foundation. The integration of physical medicine is an important technical means to realize "people's health as the center", and the intervention of health education and physical medicine integration technology makes people "not sick, less sick, and cure with prevention", and thus realizes a better life. As the media, network, television and other mass media communication and social interaction, interpersonal communication necessary in production life can play an effective role in the early stage of health intervention of physical medicine integration. The central figure with a certain appeal and opinion leaders is much more important among the individual guidance and confidence of the establishment, especially before the formation of physical medicine integration consciousness.

Second, give full play to the advantages of community platform. Community is the basic unit of our country's towns and cities, carrying many social functions such as life and culture. Drawing on the experience of the CDC Community Health Promotion Program in the United States and the Extraterritorial Medical Integration of the North Carolina Project in Finland, we will mobilize medical and health institutions, social organizations, and health clubs in the community to carry out various forms of health promotion activities, create a community-based physical health integration support environment, and improve the lifestyle of residents.

Finally, publicity is achieved by creating a healthy culture. While effectively solving the problem of sports dosage, real-time feedback of sports effect, sports injury prevention and control problem, the integration of physical medicine is not only building the internal mechanism, but also strengthening its happiness, satisfaction and other sports cultural characteristics of the connotation of construction. It advocates the creation of a health-centered sports culture and forms scientific and safety sports, so as to establish an effective and healthy cultural atmosphere.

3. ANALYSIS OF THE ADVANTAGES OF INTERNET+OFFLINE ONLINE TEACHING

The method of offline and online teaching allows students to freely and selectively use the internet to watch teaching videos anytime and anywhere without being limited by time and space, making it convenient for students to pause and use their free time to organize, review, and reflect on learning. As long as you have enough time to study, you can master some fragmented knowledge. At the same time, the teacher's work site is relatively free and unrestricted, and they can provide answers anytime and anywhere. They can communicate one-on-one with students through internet platforms to guide them to overcome difficulties. And students can also find relevant video teaching methods to learn various knowledge through analogy. This strengthens students' understanding of practical courses Understand and master, further research and explore the emergence of new ways.

Teachers analyze specific teaching regulations, relevant teaching requirements, and students' characteristics, flexibly apply internet teaching platforms, carefully design and modify teaching content, and cleverly combine and develop new courses. Through a purposeful combination of offline and online learning, online teachers utilize the relevant topics set up to organize active discussions among students, encourage them to speak actively, dare to speak, and actively speak. They also provide timely answers and summaries to the content of the speech, summarize the learning difficulties for future use, and stimulate students' interest and participation.

Students use mobile phones and the internet to choose specific learning points and methods based on their needs and learning, and learn anytime and anywhere without being constrained, no matter where or how they learn; After completing offline teaching, further analysis can be conducted online for knowledge points that are not understood,

and targeted learning can be carried out through practical learning, improvement, and expansion.

4. REFLECTIVE PRACTICE OF INTERNET+OFFLINE ONLINE TEACHING

The goal of blended learning is more to cultivate talents, promote the development of blended learning through flexible practical applications, and leverage the significance of blended learning initiatives. Online teaching methods can familiarize scattered knowledge into a certain knowledge system, facilitate observation and understanding, and facilitate students' organization. Based on the course plan, various forms of courseware, videos, animations, and other materials that are understandable, viewable, and convenient can be developed. Enable students to have enough time and space to watch learning. In order to facilitate communication between teachers and students, as well as between classmates, this interesting way can stimulate students' enthusiasm. With this teaching platform, the combination of teaching and learning has been expanded, and there is a sufficient foundation for online and offline teaching. Students are the main body and actively participate in learning, forming a gradual accumulation process. Different students choose suitable learning methods according to their own situation, learn efficiently, respect the laws of teaching and the physical and mental development of the educated, and achieve the maximum effect. Based on the current global pandemic pneumonia epidemic, this article discusses the urban governance measures of Macau against public health emergencies, and at the same time sorts out the status of various public health emergencies in the Macau SAR since the 19th century and their corresponding Epidemic prevention measures, analyze the reasons for the occurrence of public health emergencies in Macau, and finally summarize the experience of epidemic prevention in the Macau SAR, and put forward suggestions and references for urban epidemic prevention, which can be used for reference to continuously strengthen and optimize urban epidemic prevention measures.

4.1 Adequate resources available online

Based on the education industry, cultivate healthy and versatile talents. In order to effectively implement blended learning, the teaching content is systematically processed and expressed in various forms of resources such as videos, images, and files. Sufficient resources are prepared to be presented to students, forming an autonomous and self-disciplined learning form. Students can engage in selective learning at all times, and can repeat learning when encountering content they do not understand or understand. When you see something worth learning, you can pause and organize your notes. At the same time, online education is beneficial for teachers to flexibly teach according to their own characteristics, break through key and difficult points, and organize knowledge points. Organize the corresponding methods and methods for each knowledge point, teach them to students, facilitate communication between teachers and students, grasp students' situation, flexibly control learning progress, and moderately supervise and adjust learning requirements.

Based on what one has learned and taught, the content can be organized to present and understand complete knowledge points. Teachers can create learning courseware, display expressions, and students can engage in organic learning, understanding and recording. The combination of multiple methods is more vivid and interesting, stimulates students' interest, and cultivates the flexibility, interest, participation, and presence of the course. Fully demonstrate the advantages of online teaching, prepare for the foundation of offline teaching, achieve good offline interaction between teachers and students, ensure efficient development of classroom teaching, fully utilize resources to demonstrate good results, and enable learning activities to serve students and teachers, achieving good integration and completion of teaching activities.

4.2 Offline organized activities

Offline activities refer to face-to-face learning and teaching based on classroom activities, consolidating and transforming learned knowledge, advocating for learners to independently formulate learned content, and implementing further purposeful teaching methods. Under the guidance of teachers, students develop learning plans based on their own learning abilities and characteristics to facilitate more effective completion of learning. In the classroom, teachers can provide some questions to organize students to express and discuss in small groups, and can also expand on some difficult questions. Interesting content can stimulate students' interest and sense of participation. There are various forms of teaching, and it is necessary to identify students' problems and guide them to learn autonomously. In learning, they should have motivation and strive to complete their learning, rather than simply learning to complete tasks and organizing learning aimlessly. Social network analysis can provide tourism planners with a wealth of advantages when it comes to understanding and analyzing the social relationships between tourists. By leveraging social media data, tourism planners can gain valuable insights into the preferences

and behaviors of their target audience, allowing them to develop personalized and demand-driven tourism products and services. Additionally, social network analysis can help identify key influencers and opinion leaders within tourist networks, enabling tourism planners to design more effective marketing strategies. Overall, social network analysis is a powerful tool that can help tourism planners make more informed decisions and ultimately improve the tourism experience for travelers.

4.3 Evaluation of offline and online processes

It is necessary to integrate and evaluate offline and online teaching activities from time to time, and reflect on them. To address existing issues, understand the effectiveness of students' learning and provide feedback on evaluations to students. At the same time, students can also systematically evaluate teachers offline and online, allowing them to summarize and reflect. So whether online or offline, students should be evaluated and given feedback on their learning. Online assessments can be conducted based on their viewing duration, learning progress, and resource viewing. Offline assessment mainly focuses on attendance, tardiness, early leave, classroom participation, classroom performance, and grades for classroom learning. Combining these two, encouraging students to dare to explore and try in their daily lives, to have the courage to evaluate and correct themselves, to exercise students' courage to actively explain courses and solve problems for other students, to make progress with each other, and to help lagging students. Teachers can also refer to students' evaluations for reflection, summary, and correction. Teachers and students are in a cooperative relationship and should not be treated with a discriminatory attitude. They should make progress together, help each other, and become the spiritual pillar in their learning and work. One of the key advantages of social network analysis in tourism planning is its ability to improve tourist satisfaction and experience. By analyzing tourist behavior data on social media, social network analysis can better understand their interests, preferences, and other related information. This enables tourism planners to provide more personalized and demand-driven tourism products and services, such as customized travel itineraries, personalized recommendations for attractions, and tailored accommodation options. As a result, tourists are more likely to have a positive travel experience, which can lead to increased loyalty and repeat business.

5. EPILOGUE

In a word, in the context of the continuous development of Internet plus, teachers should make full use of the interesting, vivid and purposeful content in the resource rich classroom for mixed teaching offline and online, so that students can learn selectively and absorb knowledge purposefully. Online dialogue and communication can only be conducted with students through online means, but offline can make up for the shortcomings of online communication. Teachers can divide them into groups and let them discuss and learn, think and explore, forming a strong learning range. So by utilizing a hybrid combination of offline and online approaches, the two can complement each other and complement each other's weaknesses, forming a seamless learning approach that maximizes their effectiveness. Let students become their main body, learn active learning and creatively, and give full play to Internet plus offline online teaching. Overall, social network analysis has a wide range of applications in tourism planning, providing opportunities for the tourism industry to enhance its competitiveness and improve the satisfaction and experience of tourists.

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