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KAJIAN PENGGUNAAN TEKNOLOGI AI DALAM PENDIDIKAN ESTETIK KOLEJ

RESEARCH ON THE APPLICABILITY OF AI TECHNOLOGY IN COLLEGE AESTHETIC EDUCATION

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ABSTRACT

This paper discusses the application of artificial intelligence technology incollege aesthetic education. With the advancement of science and technology, especially in the field of education, the use of artificial intelligence can bring students a better learning experience. At present, there are some difficulties in the application of artificial intelligence technology in aesthetic education. Through collecting and analyzing data, some solutions and suggestions are put forward. Finally, the application model and teaching method of artificial intelligence technology in college aesthetic education are studied. Combining teaching practice, continuous improvement and optimization, and actively introducing amultidisciplinary perspective to create a set of AI teaching system, which is convenient to improve the quality and effect of aesthetic education in colleges and universities.

Key words: *Artificial intelligence, College aesthetic education; Applicability; Personalized learning; Art appreciation*

Introduction

Aesthetic education in colleges and universities is very important. First of all, aesthetic education in colleges and universities can improve the overall quality of students. Aesthetic education pays attention not only to artistic skills, but also to the cultivation of thinking, perception and expression ability. It can help students develop critical thinking, creativity and communication skills.

The development and formation of aesthetic origin underlie the construction of technology of personal-oriented education, contributes to the blurring of boundaries between education and nurturing, creative self-development and spiritual formation of a personality as a subject of education (Duminskaya, 2015). Art can trigger emotional resonance, helping students to better understand their

own emotions and others and improve their emotional intelligence. Aesthetic education cultivates students' aesthetic perception, so that they can appreciate and evaluate the works of art, whether it is visual art, music, dance or drama aesthetic education plays an important role in the comprehensive development of students' competencies, but few studies have focused on incorporating science content into aesthetic education to generate students' imagination of a future world (Alhallak, 2023).

Despite the progress in aesthetic education, universities still face challenges, such as insufficient resources, diversity of evaluation methods, and social recognition of art education. However, the importance of aesthetic education cannot be ignored, and it is crucial tocultivating creative, culturally sensitive and well-rounded students, so it should continue to be supported and promoted. Aesthetic presence can be embodied in the instructor's approach, embedded in face to face, hybrid, and online course design, included in curricular activities and assignments, and fostered in and between students (Sajnani et al., 2020).

At present, AI technology is gradually mature, the application scope of AI technology is also expanding, and the advantages of AI technology in the field of education are gradually shown. The powerful database and data analysis ability of AI technology, VR technology and other modes can help students solve various problems encountered in the learning process to a certain extent. This paper deeply analyzes the principle and category of AI technology, the existing security risks and so on. At the same time, the development trend of aesthetic education is analyzed. Through various research methods, it is summarized whether the use of AI technology in aesthetic education will bring new opportunities to aesthetic education, and at the same time, it tries to find an application way of integrating AI technology into teaching links, so as to integrate AI technology with aesthetic education in colleges and universities, and improve the teaching effect of aesthetic education in colleges and universities.

Research Background

At present, the rapid development of artificial intelligence mainly relies on computers and data statistics to achieve some services. For example, AI/ML has been developed and discussed since the mid-twentieth century; however, it has grown in importance and application through advances in computational power and the emergence of large datasets.As such, big data analytics is a product of AI and big data (Kazim & Koshiyama, 20 21). At present, AI technology can be applied in many scenarios, such as natural languag e processing (NLP): NLP technology is widely used in text analysis, machine translation,intelligent customer service, sentiment analysis and other fields. Intelligent voice assistant s (such as Siri, Alexa) is also an application of NLP. Computer vision technology is us ed for image recognition, object detection, face recognition, medical image analysis, etc. Virtual reality (VR) technology's popularity has rapidly spread beyond the computer ar ea to other parts of life, and it has also evolved into a new approach to DMA (Fan, 2023).

With the continuous update and change of AI technology, industrial robots and service robots are widely used in manufacturing, healthcare, logistics and other fields. Automated production and smart manufacturing also benefit from AI. Ai is also used i n medical imaging analysis, disease diagnosis, and drug development. After continuous improvement and update, artificial intelligence is becoming more and more important i n people's lives, whether it is manufacturing, financial industry, service industry, you can see the application of artificial intelligence, and even human personality characteristics can be predicted by artificial intelligence. We first utilize a Convolutional Neural Network (CNN) to train an aesthetic attribute prediction module. Then, attribute-aware graph representation learning is introduced to refine the images with similar aesthetic at tributes from users' liked images. Finally, the aesthetic attributes of all refined images are combined to predict personality traits through a Multi-Layer Perceptron (MLP) (Zhu et al., 2022). With the emergence of new digital technologies—such as, but not limited to, the Web, blockchain, artificial intelligence (AI), and Internet of Things—we have witnessed significant change in the production and structuring of products and services (Kazim et al., 2022).

At present, in the field of education, personalized education platforms use artificial intelligence to meet the needs of students, and intelligent assisted education tools are becoming more and more

popular. The integration of artificial intelligence and various fields is relatively good, while many universities strengthen aesthetic education through technical means, they can also try to apply artificial intelligence in aesthetic education. First, AI can provide personalized aesthetic education recommendations based on each student's learning style, interests and level. This helps students learn and develop their artistic skills more effectively. At the same time, AI can analyze students' work and provide immediate feedback and suggestions to help them improve. This helps speed up the learning process.

Secondly, virtual LABS can be created using virtual reality (VR) and augmented reality (AR) technologies, where students can create and experiment in a virtual environment without a lot of material resources. This expands their room for creativity and experimentation. Ai can be used to analyze and interpret works of art to help students better understand works of art in different styles, periods and cultures. Here, AI technology can provide a lot of resources. Based on students' interests and subject needs, AI can recommend relevant teaching materials, art exhibitions and learning resources. It can help students explore and understand the arts of different cultures, enhancing their cultural sensitivity and global perspective. AI can also participate in real-time art creation and performance with students, creating novel art forms. School administrators can use AI to optimize lesson planning, resource allocation and track students' progress. AI can also help educators understand student learning trends, educational outcomes, and best practices. It should be emphasized that AI technology should be seen as an aid to aesthetic education, not a substitute. Teachers still play a key role in leveraging AI data and tools to better meet students' needs and provide targeted instruction. At the same time, privacy and ethical issues need to be properly considered in AI applications to protect the rights and interests of students.

The aesthetic education of students is of paramount importance when developing a harmoniously balanced personality. It is very difficult for modern youth to appreciate aesthetic beauty, because it has recently lost its significance. It is impossible to generalize, because there are true connoisseurs of the beautiful among the students (Aktayeva et al., 2022).

In general, artificial intelligence technology has penetrated into all areas of society and continues to develop. It offers many new opportunities, but its application to higher education, especially aesthetic education, also raises many ethical, privacy and security issues that need further research and management. In the future, with the continuous maturity of technology, the application of artificial intelligence in college aesthetic education will continue to expand.

Research Gap

At present, the application of artificial intelligence in the field of aesthetic education has gradually been paid attention to by people through different forms. For example, natural language processing (NLP) has many applications in the field of aesthetic education. It helps aesthetic education to be more personalized, rich and interesting. First, through virtual reality (VR) and augmented reality (AR) technologies, students can create and experiment in a virtual environment without traditional art materials. They can paint, sculpture, shape, etc., on the virtual canvas, expand their creative space, and try different artistic styles and media. Students can also digitize their artwork and use computer vision technology to create interactive digital art exhibits. This helps them share their work with a global audience for more feedback and exposure. Computer vision can be used to create three-dimensional models of art, students can further study and analyze the structure, details and materials of art. Computer vision for automated assessment and feedback can analyze students' artwork, provide immediate assessment and feedback, point out ways to improve, and speed up the learning process. At the same time, VR can be used to restore ancient artifacts or art scenes from historical periods, allowing students to experience historical moments in an immersive way. Students can also use virtual tools for virtual sculpture, painting and modeling, which is more innovative than traditional ways of creating art. The application of virtual reality technology in digital media art creation helps to enrich artistic creation means and improve the quality of artistic creation process (Gong, 2021).

Augmented Reality(AR) is a field of computer research which aims at supplementing reality by mixing computer generated data and real world environments (Nithin & Bhooshan, 2016). Virtual reality and augmented reality provide a more interactive, immersive and innovative approach to aesthetic education, enriching students' learning experience and helping them to understand and

appreciate art more deeply. These technologies also give art teachers more tools and resources to create a more engaging educational environment.

Artificial intelligence helps us to conduct quality education for college students in aesthetic education in colleges and universities with a variety of application modes, and different modes show different advantages. However, there is no standardized management and integration of various artificial intelligence application modes, create a diversified education platform that contains multiple application modes. At the same time, it integrates data logic analysis and uses AI database combined with virtual reality technology to promote the expansion of creative thinking of students and teachers. We need to pay attention to privacy and security issues and calculate them. At the same time, the users of the education platform are not only students, and the application of artificial intelligence in aesthetic education in colleges and universities should create a harmonious and unified learning environment together with students and teachers. To solve this gap, we will carry out in-depth investigation and research to study the specific application model of artificial intelligence technology in college aesthetic education encourage technology enterprises to participate in the creation of AI comprehensive educational products, cultivate teachers' ability to use AI technology and update their teaching concept. By investigating the experience evaluation of teachers and students, this paper tries to study a rational research strategy of AI teaching system.It is used to formulate relevant policies and norms, ensure the rationality and safety of AI applications, and evaluate the applicability of artificial intelligence in college aesthetic education.

Research Content

The application potential of artificial intelligence in college aesthetic education is huge, it can not only stimulate the creativity of students, but also provide more possibilities for teachers to teach, and can be widely used in other education fields in the future. This paper aims to discuss the role of artificial intelligence in the aesthetic education of colleges and universities, and study the challenges faced by the application of artificial intelligence in the field of education. How can AI meet the different needs of teachers and students, finally evaluate the applicability of artificial intelligence in college aesthetic education after integrating artificial intelligence resources, and study the design strategy of the teaching system applied by artificial intelligence in college aesthetic education.

1) Expand the role of artificial intelligence in artistic creation

We argue that the addition of the arts and humanities in collaboration with STEM education enables inclusion of many more students to engage creatively, critically, and confidently in their learning. (Skowronek et al., 2022) Artificial intelligence is playing an increasingly important role in artistic creation, and it can serve as a powerful tool and resource for creative generation. First, artificial intelligence can analyze a large number of art works, pictures, music and other content to provide creative inspiration for artists。It can identify and recommend material related to an artist's style or subject matter. Through deep learning and computer vision technology, AI can also mimic the style of famous artists such as Van Gogh and Picasso. This allows artists to explore and experiment with different styles.

The AI can serve as a creative aid to help artists draw lines, adjust colors, create patterns, and more. AARON was a computer program that was capable of generating complex drawings and paintings. AARON used a set of rules and constraints to create its art, and was able to learn from its own outputs to improve over time. (Dehouche & Dehouche, 2023) This increases creative efficiency and accuracy. Artists can use AI generators to create different versions or variations of artwork. This helps to expand ideas and produce diverse works. Artists can train AI to simulate their creative style, enabling the AI to continuously create new works even when the artist himself is not present. AI can be used for artistically creative experiments Artists can explore innovative creative approaches and ways of thinking with AI. In film and animation, AI can help generate storyboards and set designs that provide visual creative guidance. While AI is playing a growing role in the creation of art, but it still cannot completely replace the creativity, emotion and aesthetics of the artist, only the artist can give the profound meaning of the work Ai is often seen as a collaborative effort that requires a partner and a tool, rather than a tool that completely replaces human creation. Students and faculty can leverage the potential of AI to expand their creative and creative range while maintaining their own unique

artistic perspective and expression.

2) Research how artificial intelligence responds to the needs of different user groups

AI pedagogy refers to the methods and strategies used to teach artificial intelligence (AI) to students. (Southworth et al., 2023) Artificial intelligence has great potential for personalized education. It can provide a personalized learning approach based on each student's needs, interests, and learning style. There are many ways in which AI can be adapted to the needs of different students. For example, AI can create a personalized learning path based on a student's initial level and learning goals. These pathways can include varying degrees of difficulty and textbooks to ensure that students gradually improve and fully understand the content. AI can analyze students' interests and hobbies and incorporate relevant content into the curriculum. This makes learning more attractive and stimulating. At the same time, it can support different learning methods, including visual, auditory, text, etc., to meet the needs of different students.

The application of artificial intelligence in personalized education can provide personalized learning experiences according to the needs and characteristics of students, helping them learn and develop skills more effectively. At the same time, teachers need a powerful database of artificial intelligence as theoretical support in the teaching process, so as to respond to more knowledge fields involved in students' creation at any time, and to expand and improve the auxiliary teaching mode.

3） The role of virtual LABS and art displays

Virtual LABS and art displays are two areas that can benefit from the application of artificial intelligence (AI) technology. It can be used to create works of art, including paintings, music, literary works, etc. For example, deep learning models can generate real works of art that artists can create from. Based on users' preferences and behavioral data, AI can recommend artwork to viewers, helping them discover new artists and works. It can be used to create interactive artwork, interact with the audience, and respond based on their feedback and behavior. This interaction can enhance the audience's sense of participation and experience. Using computer vision, students can browse images of a large number of works of art and study trends in different art styles, periods and cultures. Students can use computer vision techniques to restore ancient or damaged artwork to better understand its original appearance and history. Overall, computer vision offers more possibilities for art education, expanding students' creative space, deepening their learning experience, providing feedback and support, and fostering artistic innovation. These technologies help bring arts education into the digital age, providing students with more opportunities to create and learn.

Artificial intelligence plays an important role in both virtual LABS and art displays, accelerating scientific research and enriching artistic experiences. However, it also presents a number of ethical and creative challenges that need to be carefully addressed to ensure the effective and ethical use of the technology.

Research Objectives

1) Creativity and subjectivity in the process of art creation and art appreciation

The issues of creativity and subjectivity in art creation and art appreciation are two closely related concepts that play a key role in the field of art. Here is a discussion of these two aspects:

First, the first aspect is the role of creativity in the creation of art: creativity provides artists with the freedom to think and enables them to explore different perspectives, concepts and modes of expression. This allows them to create works that are new, unique and amazing. Artists express their personalities, emotions and ideas in creative ways. Their work can reflect their unique perspectives and life experiences. The second aspect is the subjectivity of art appreciation: The value and appeal of art is largely subjective. Different people may have different opinions about the same work. Personal taste, cultural background and experience will influence their evaluation. Emotional resonance: Viewers are influenced by their opinions and knowledge when interpreting and understanding artworks. As a result, the same work may be given different meanings and interpretations by different people.

2) Privacy and data security issues

The privacy and data security issues of artificial intelligence technology are important issues that have received continuous attention in a wide range of applications. The privacy and data security issues of artificial intelligence technology are important issues that have received continuous attention in a wide range of applications. Another example is backdoors and abuse: Malicious users or hackers may try to exploit vulnerabilities or backdoors in AI systems to gain access to sensitive information, posing a threat to data privacy.

In addition to privacy concerns, there are also data security concerns, namely that data stored in AI systems or the cloud may be at risk of being hacked or a data breach. This can lead to the exposure of sensitive information and damage the trust of users. Malicious users can use AI techniques to generate disinformation, fake images, or conduct social engineering attacks that can cause social problems and chaos. Faced with these problems, we should also actively study ways to protect privacy and data security. Protecting privacy and data security is a key responsibility for the application of artificial intelligence technology. This will require governments, businesses and individuals to work together to ensure that the development and use of AI does not violate privacy, while protecting data from inappropriate use and attacks.

3) Development and use of intelligent education platform

The Intelligent Education Platform is an educational tool based on artificial intelligence (AI) and technology that aims to improve the effectiveness, personalization and interactivity of education. Before developing an intelligent education platform, it is necessary to understand the needs of educational institutions, students and teachers in detail. Research on machine

Learning and algorithms: Develop machine learning algorithms to provide content and recommendations based on the individual needs of students. These algorithms can be used to recommend learning materials, personalized learning paths, and real-time feedback. With the advent of technology like Artificial Intelligence / Machine Learning, past historic data in an institution and current data of student profiles and performance can be used to analyse and predict learning gaps and suggest the learning steps a student has to take to improve his / her performance. (Somasundaram et al., 2020)

The Smart Education platform is also suitable for distance education and online learning, especially in situations where face-to-face teaching is limited, such as during a global pandemic.Ensure that student and faculty data is adequately protected in accordance with privacy regulations and best practices. The development and use of intelligent educationplatforms can improve the efficiency and quality of education, but it also requires careful design, continuous improvement and appropriate training to ensure the best educational results.

Hypothesis

1) AI-assisted aesthetic education teaching stimulates students' creative thinking and inspired thinking

AI-assisted teaching of aesthetics brings new possibilities and enhanced learning experiences to the field of aesthetics. The AI system can simulate the role of an art tutor and provide students with guidance and advice on art forms such as painting, sculpture and photography. These tutors can analyze a student's work and provide personalized feedback and tips. Art creation can be produced according to students' interests and styles, providing new creative inspiration. This can help students overcome their creative difficulties and stimulate their creativity. Students can use the AI tools to obtain advice on materials, colors, and techniques to create art works or artifacts. Nowadays, tutoring systems continuously record a massive amount of data about student interactions, which can be used to assess their knowledge gains and learning preferences for enhancing learning experiences (Sein Minn, 2022).

When developing and using AI-assisted aesthetic education materials and teaching AIDS,we need to ensure that these tools have educational value and can enhance the learning experience, rather than replacing teachers and traditional educational methods. These tools are categorised in terms of who is expected to interact with them most directly: learners, teachers or educational administrators. (Luckin

et al., 2022). In addition, privacy and data security is also an important issue that needs to be properly addressed. These tools can enrich aesthetic education, providing more learning opportunities and creative experiences.

2) AI supports the blended teaching mode of face-to-face and distance education

With the prevalence of distant education, 2000e2009 saw an increase of research outputs in implementation and design of online education (Oksanen et al., 2023). Online education and distance education have developed rapidly in the past few years, provides a variety of support and enhancements, learning path customization, AI can be tailored to each student's learning needs, level, and learning speed, automatically adjust course content and learning paths to provide a personalized learning experience. With the thrive of AI technology, its applications in education have been increasing, with promising potentials to provide customized learning, to offer dynamic assessments, and to facilitate meaningful interactions in online, mobile or blended learning experiences. (Zhang & Aslan, 2021) It is a forward-looking strategic task to further integrate artificial intelligence into aesthetic education research in universities. In the future, further research will be conducted onhow to use artificial intelligence technology to provide more accurate personalized aesthetic education learning experiences. How to use artificial intelligence technology to promote cross-cultural and international aesthetic education. This can be achieved through online collaborative projects, virtual art exchanges, and global art resource sharing. Further research on how augmented reality (AR) and virtual reality (VR) technologies can be combined to provide students with richer aesthetic educational experiences, such as virtual art exhibitions and real-time creative environments. To study the social impact of artificial intelligence technology in aesthetic education, including its impact on students' creativity, aesthetic perception and cultural awareness.

Long-term studies should be conducted in the future to evaluate the practical effects of AIin universities. Based on these directions and suggestions, colleges and universities can actively integrate artificial intelligence technology into the research of aesthetic education, constantly innovate and improve in continuous practice, and provide better aesthetic education experience for students.

Population

The target population of this study includes teachers and students of art education in colleges and universities， to procure a holistic dataset, the research adopts a dual-pronged data collection approach involving online surveys and face-to-face interviews, encompassing a voluntary participant pool. We show the planning of the survey method in Figure 1。

Methodology

Quantitative Surveys

The quantitative survey is aimed at students and teachers according to the respondents， establish a questionnaire. The frequency of students using AI in the process of aesthetic education learning and the degree of artistic creation using AI were measured, including the development of innovative thinking and the proportion of teamwork. Research students on how often they use AI databases with virtual reality technology and the extent to which multiple application modes are mixed. The frequency of teachers using AI software in college classes was calculated, and the hope enumeration method was used to ask questions to the group of aesthetic education teachers. The functions and problems that should be paid attention to when the statistical AI teaching software adopts the integrated application platform model.

Qualitative Interviews and Focus Groups

Including in-depth interviews with students and teachers receiving aesthetic education in A university, it will help to explore the multi-faceted challenges encountered in the process of creating an AI integrated application education platform. Focus groups with students and faculty from different majors will be used to tap into experiential insights. These qualitative investigations will provide a contextualized perspective for the pursuit of the integrity of AI education platforms and the

applicability of AI to aesthetic education in colleges and universities. Conduct in-depth interviews with engineers and teachers to understand the challenges faced in integrating AI resources.

Case Studies and Observational Analysis

NLP can be used to automatically evaluate a student's artwork, including text commentary, artwork descriptions, and creative descriptions. This helps teachers provide feedback to students more effectively and track their progress. Computer vision has a lot of potential in art education, and it can provide multiple ways to enhance art education and learning experiences. This is the potential of computer vision in art education. Virtual reality (VR) and augmented reality (AR) have been widely used in aesthetic education. It provides new dimensions and possibilities for art education and art experience. For example, VR can openup virtual art LABS: students can use VR to create virtual art works without actual materials. This enables them to explore different creative ways and styles in a virtual environment. According to the observation and analysis of the usage habits and effects of different AI technologies used by college teachers and students in different scenarios, the application degree of AI technology in aesthetic education is analyzed.

Documentary Analysis

Through literature analysis, the existing literature on the application of AI technology and aesthetic education in colleges and universities will be thoroughly reviewed. This will be used as a means to assess the suitability of AI technology for integration into university education and teaching systems. Subsequently, the development of the integrated framework will be rooted in the integrated insights of this data, including project practices and proven analytical methods to demonstrate the creativity and safety of AI technology in the education system, At the same time, it proves that the effective integration of AI technology and aesthetic education in colleges and universities can bring new opportunities to the futurecollege education.

Research Framework

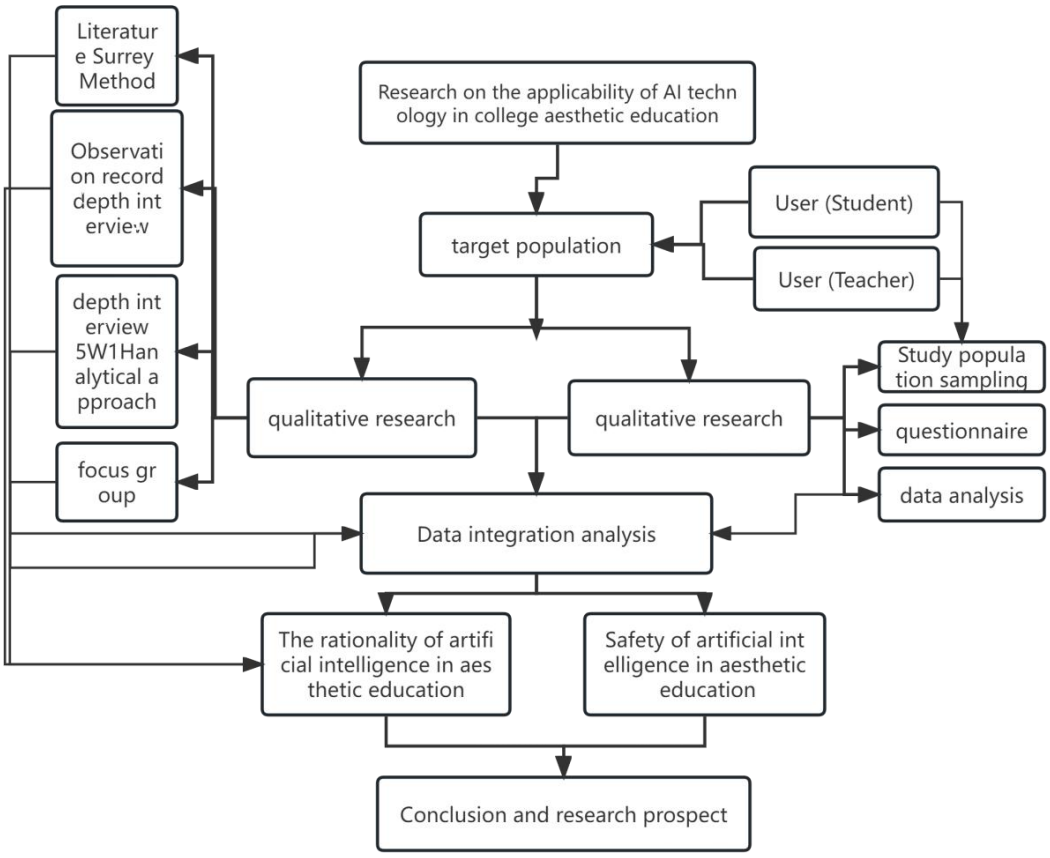

Figure 1

Limitation

Case Study Representativeness

The cases are mostly selected from two levels of universities in China. In the process of visiting and data analysis, he was influenced by the environment of Chinese science and technology and the system of Chinese education model. The analysis of the case has certain limitations. There is no guarantee that case study data and in-depth interview data are fully applicable to all education systems.

Resource Limitations

Due to limitations in the application and development of educational resources and AI technologies, the comprehensiveness of the developed framework may be affected by resource constraints. For example, the availability and scope of application of AI technology and the form of application. A comprehensive framework may require iterative refinement based on broader stakeholder participation.

Sample Representativeness

The findings and insights gained from the research methodology may be limited by the representativeness of the selected sample. The case studies, surveys, and interviews conductedmay not capture the full scope of the application of AI technology in aesthetic education in colleges and universities, which may lead to a lack of universality.

Ethical Considerations

The participation of AI technology in aesthetic education in colleges and universities involves some ethical issues, security issues, privacy issues, reliability issues, and values guidance for students. At the same time, we must carefully address ethical considerations related to data collection, participant anonymity, and consent to ensure that research methods meet ethical standards and protect participants' rights.

Follow-Up Challenges

With the changes of The Times, the development of science and technology, the presentationform and application mode of AI are constantly changing. The aesthetic education system in universities is also constantly changing, and maintaining the stability of participants and datamay affect the feasibility of the project.

Discussion

Creativity encourages artists to experiment and experiment with new techniques, mediums and forms. Integrating AI technology into aesthetic education in colleges and universities, and taking AI technology as a creative partner to participate in creation with designers, this experimental method can promote the development and development of art. The creative contribution of art can stimulate the audience's thinking and emotional resonance. They can provoke discussion and deep thinking that expands the audience's thinking and feelings. Machine learning and artificial intelligence (AI) can be used to make computers like to think.

The field of art is very diverse and includes a variety of forms and genres. Therefore, different people may have different preferences for different types of art works. Although creativity plays a key role in artistic creation, the subjectivity of art is also undeniable. Feedback and experience from the students and teachers. Machine learning and artificial intelligence (AI) may be used to make computers think like and mimic humans in a wireless setting. Everything in people's lives is affected by these technologies. (Embarak, 2022) AI can provide a series of support and enhance learning experiences in aesthetic education, but the feedback and experience of students and teachers still vary according to the specific implementation and platform design. Human-AI partnerships relating to four key aspects: (1) creating novel content, (2) evaluating the quality of the created content, (3) utilizing learner sourced contributions of students and (4) enabling instructors to support students in the learner sourcing process. (Khosravi et al., 2023) Students may appreciate the personalized learning

recommendations and resource suggestions provided by the AI system. This helps them to better meet their learning needs and interests. Integrating artificial intelligence (AI) into university education and aesthetic education is a complex but vital task. The purpose of the evaluation is to ensure that the application of AI in aesthetic education provides an effective learning experience and contributes to the development of students' artistic and aesthetic educational abilities. Adaptive learning makes use of technology and data about learners' performance to adapt and respond to content and techniques that help learners achieve a specific learning goal. The built-in algorithms analyze each learner's assessment, interaction, and learning behavior data to deliver content, activities, feedback, and continuous assessment tailored to the learner's current situation (Al-Badi et al., 2022).

Conclusion

The applicability of artificial intelligence technology in college aesthetic education shows that artificial intelligence has many positive effects on the field of aesthetic education, but it also brings challenges. Artificial intelligence technology can provide students with personalized aesthetic education and learning experience. It can provide customized teaching content and advice based on students' interests, abilities and learning progress. The AI automatically assesses the student's artwork and provides real-time feedback. This helps students to keep abreast of their strengths and the need for improvement. The artistic ideas and suggestions generated by artificial intelligence can stimulate students' creativity and provide them with new artistic inspiration. AI-supported aesthetic education can provide multimedia learning resources, such as virtual art exhibitions, music generation tools, art work analysis tools, etc., to enrich the learning experience. In general, artificial intelligence technology has potential in aesthetic education in colleges and universities. It provides personalized learning support, creativity stimulation, and real-time feedback. However, they need to be carefully integrated into the educational process while addressing privacy, training and ethical challenges. To maximize the quality and effectiveness of education. As the technology continues to evolve and research deepens, we can expect the role of artificial intelligence in aesthetics to continue to strengthen. In summary, Artificial intelligence technology is suitable for integrating into the aesthetic education system of colleges and universities in a multi-dimensional form and carries out two-way channels for teachers and students in the form of a comprehensive AI education platform. At the same time, the use regulations and the scope of application are formulated to determine the security and privacy issues. In the future, artificial intelligence technology will play an increasingly important role in college aesthetic education and promote the further development of aesthetic education. AI will be a creative inspiration tool to provide students with inspiration and creative suggestions. At the same time, AI will also support interdisciplinary cooperation to help students apply aesthetic education knowledge to different fields. However, this also requires a continued focus on issues such as ethics, privacy and equality in education to ensure that the application of AI has a positive impact on students and the quality of education. With the continuous development of technology and the continuous deepening of research, we can expect innovation and progress in the field of aesthetic education.

AUTHOR CONTRIBUTIONS

All authors played a role in conceptualizing the research and drafting the manuscript. In simple words, all team members provided support in various aspects of this paper.

CONFLICTS OF INTEREST

The manuscript has not been published elsewhere and is not under consideration by other journals. All authors have approved the review, agree with its submission and declare no conflict of interest on the manuscript. This paper published as part of 1st InternationalConference On Business & Management (1ST ICBM) 2023.

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