

Functional Analysis of Computer Software for Enhancing Creativity in Art Education

ZheWei Ou Kasemrat Wiwitkunkasem





With the development of digital technology, the application of computer software in art creation is becoming more and more widespread, and the impact on art education is becoming more and more prominent.



Research Questions:

What are the specific functions of computer software that

enhancing creativity in art education?

Research Objectives:

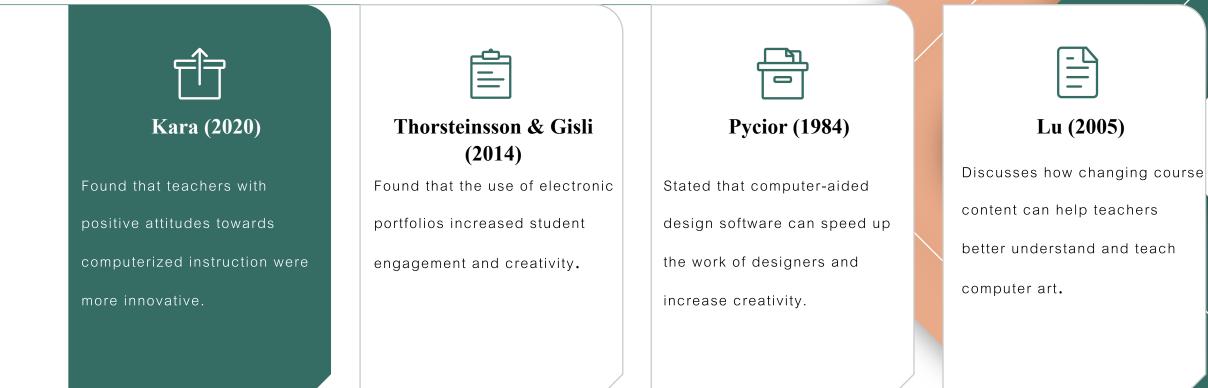
To investigate the effectiveness of three computer software on the enhancement of their artistic creativity

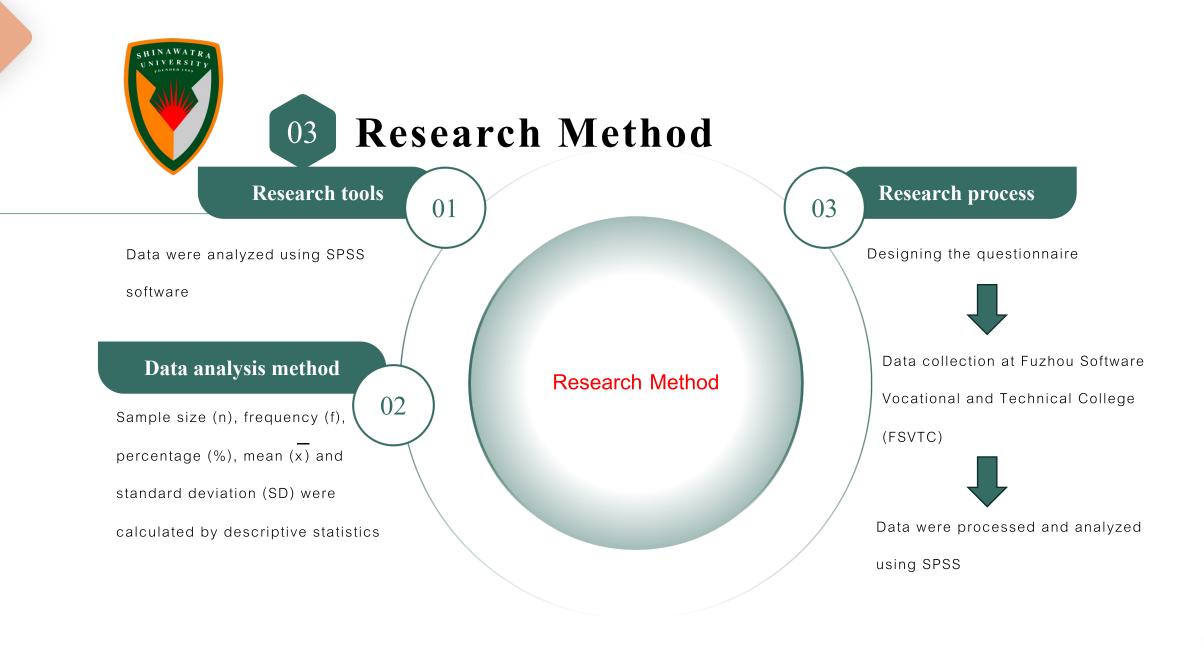






02 Literature Review





03 **Research Method**

• Posing the Problem

students' creativity.

investigate how computer software affects art

Data collection

the questionnaire was conducted in Fuzhou Software Vocational and Technical College with a total of 203 students participating.

Summary

analyze how computer software enhances students' creativity.

Designing the questionnaire

creating a questionnaire that included four areas: logical thinking, color sensitivity, emotional expression, and self-

accomplishment.

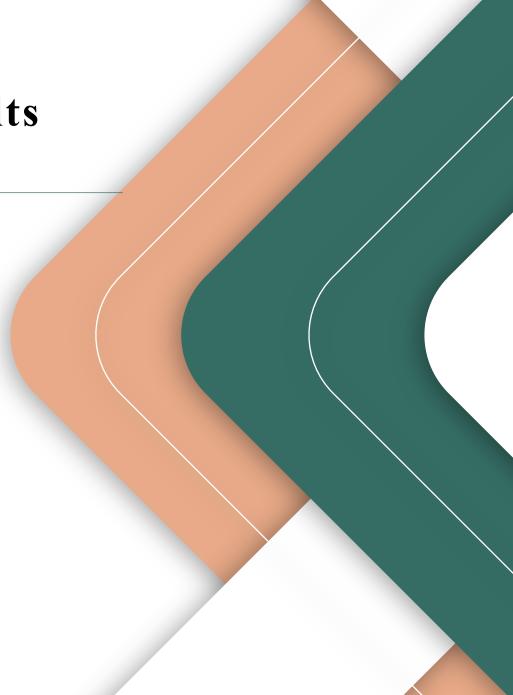
Data processing

SPSS software was used to input,

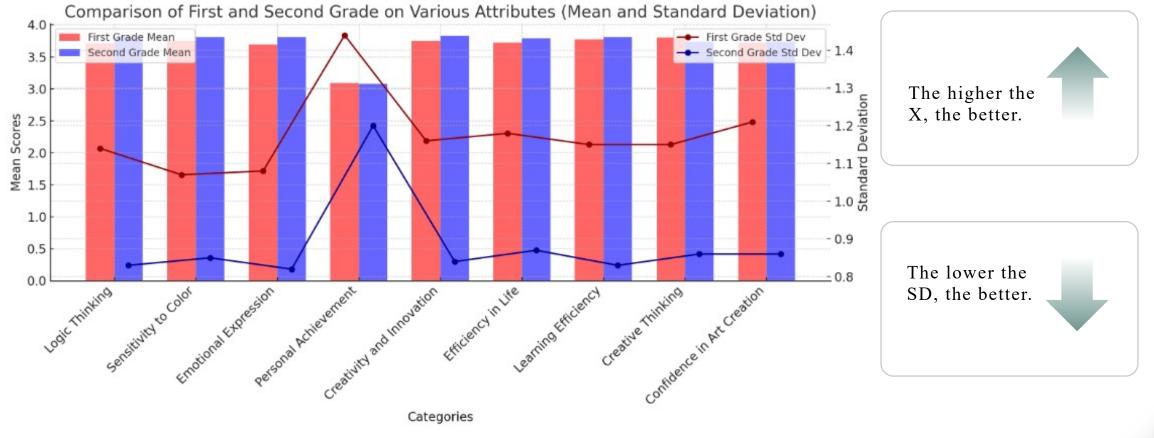
clean and analyze the data.



Synthesize the data from the three software programs to show their impact and characteristics in different aspects of creativity.



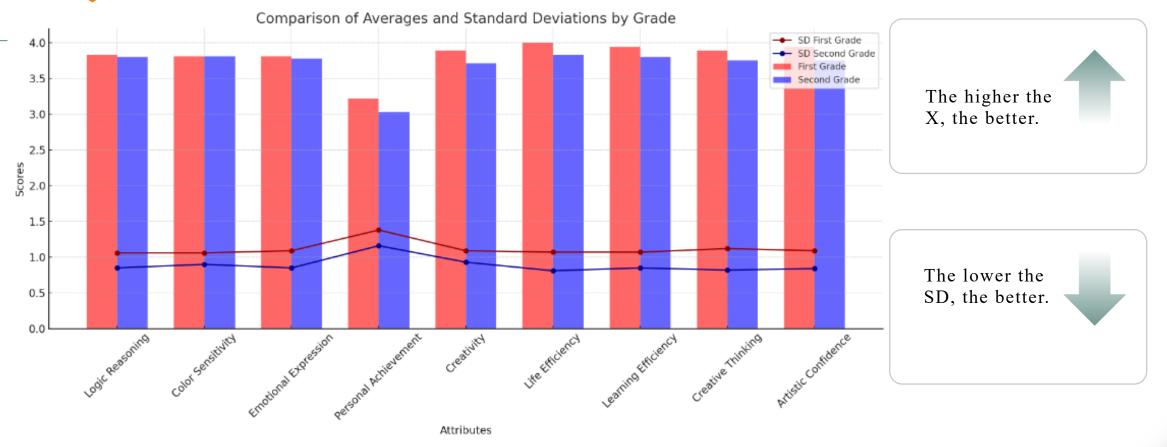




The positive role of Photoshop in enhancing student creativity

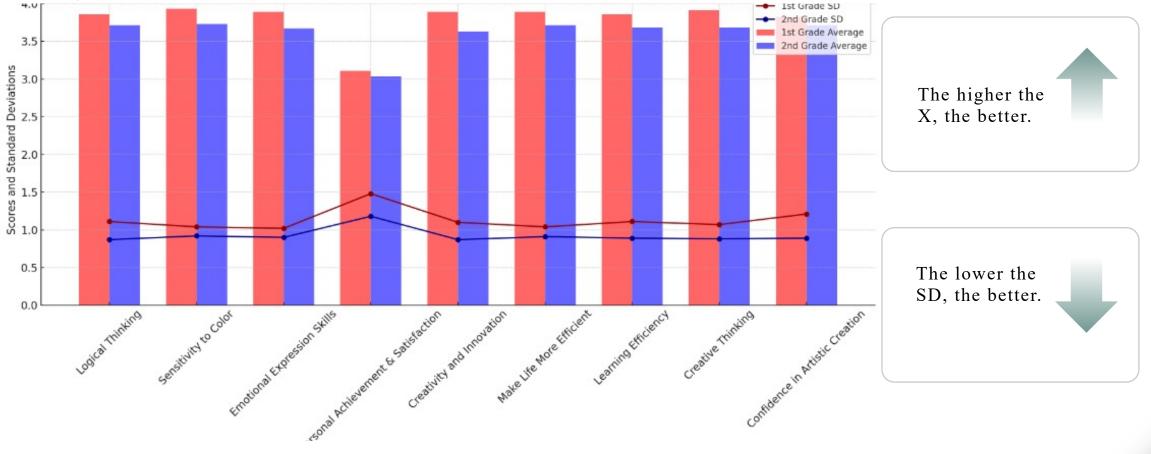


04 Data Analysis Results



The positive role of Krita in enhancing student creativity





The positive role of Scratch in enhancing student creativity



04 **Data Analysis Results**

Logical thinking



Scratch, Krita and Photoshop all

significantly improved students' logical

thinking skills, with Scratch showing the

most significant improvement.



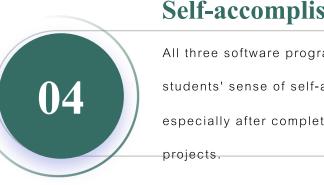
Color Sensitivity

Krita performed best in enhancing

students' color sensitivity, followed by

Photoshop.





Self-accomplishment

All three software programs contributed to

students' sense of self-accomplishment,

especially after completing complex



• This study confirms that Scratch, Krita and Photoshop can enhance creativity in art education to different degrees. Each of these three software has its own merits and educators should choose the appropriate software according to their teaching needs and students' characteristics.

These software significantly enhanced four aspects: 1. logical thinking,

- 2. color sensitivity,
- 3. emotional expression and
- 4. self-achievement



05

Conclusion and Recommendations

01

Educators

Consideration should be given to integrating these software into the curriculum, especially in instructional sessions where specific

Policy Makers

02

Promote more research on the educational applications of such tools in order to develop effective educational policies and resource allocation

Students

03

Encourage students to explore a wide range of software tools to find the most suitable creativity enhancement methods for themselves.

Expect

This will be benefit to Art Education

