

KBTU

ABSTRACT ART GENERATION



LIST OF CONTENTS



LITERATURE REVIEW



DATASET



EXPERIMENT DESIGN



IMPLEMENTATION



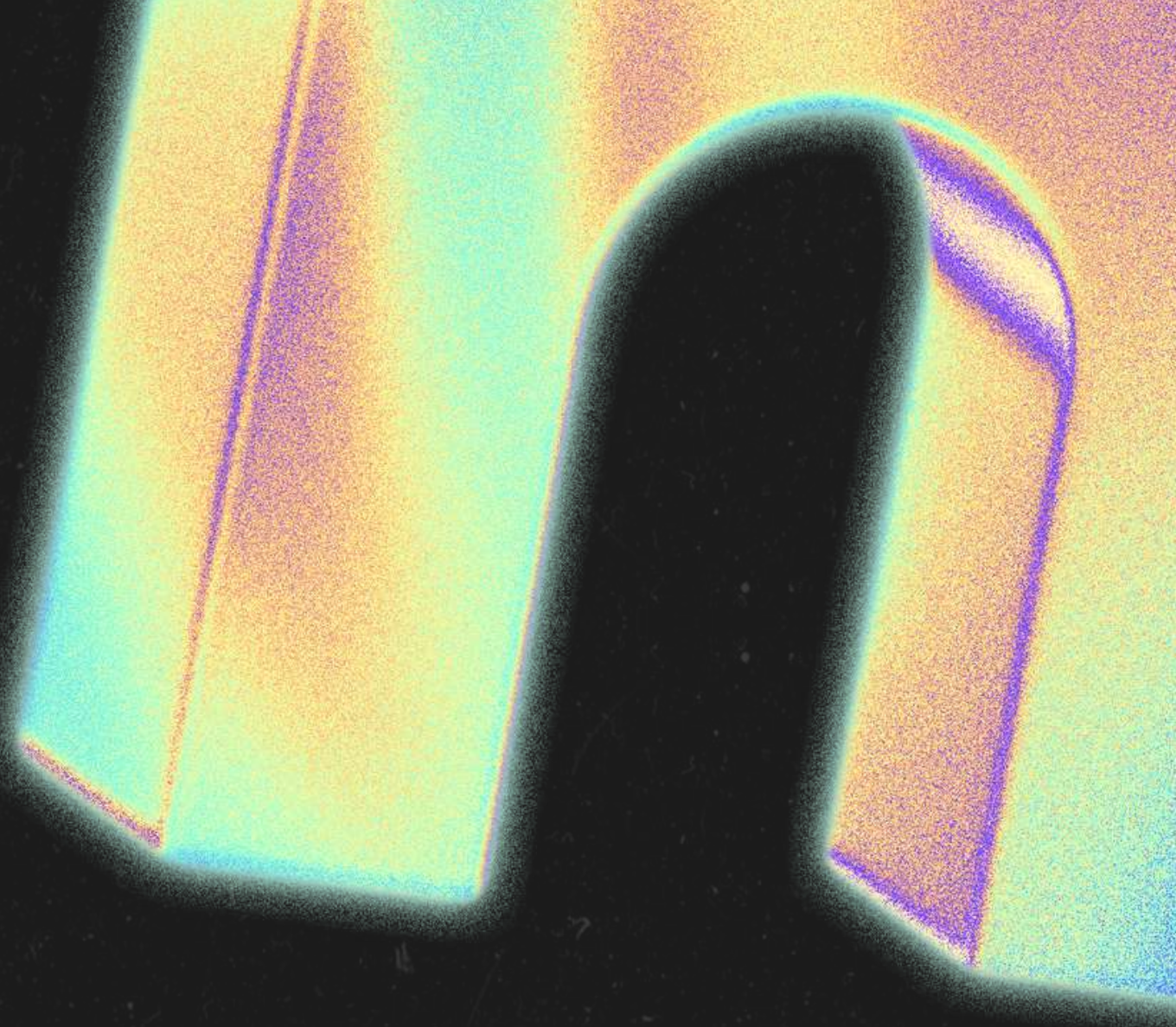
EXAMPLES OF THE GENERATED IMAGES



RESULTS OF THE SURVEY



CONCLUSION



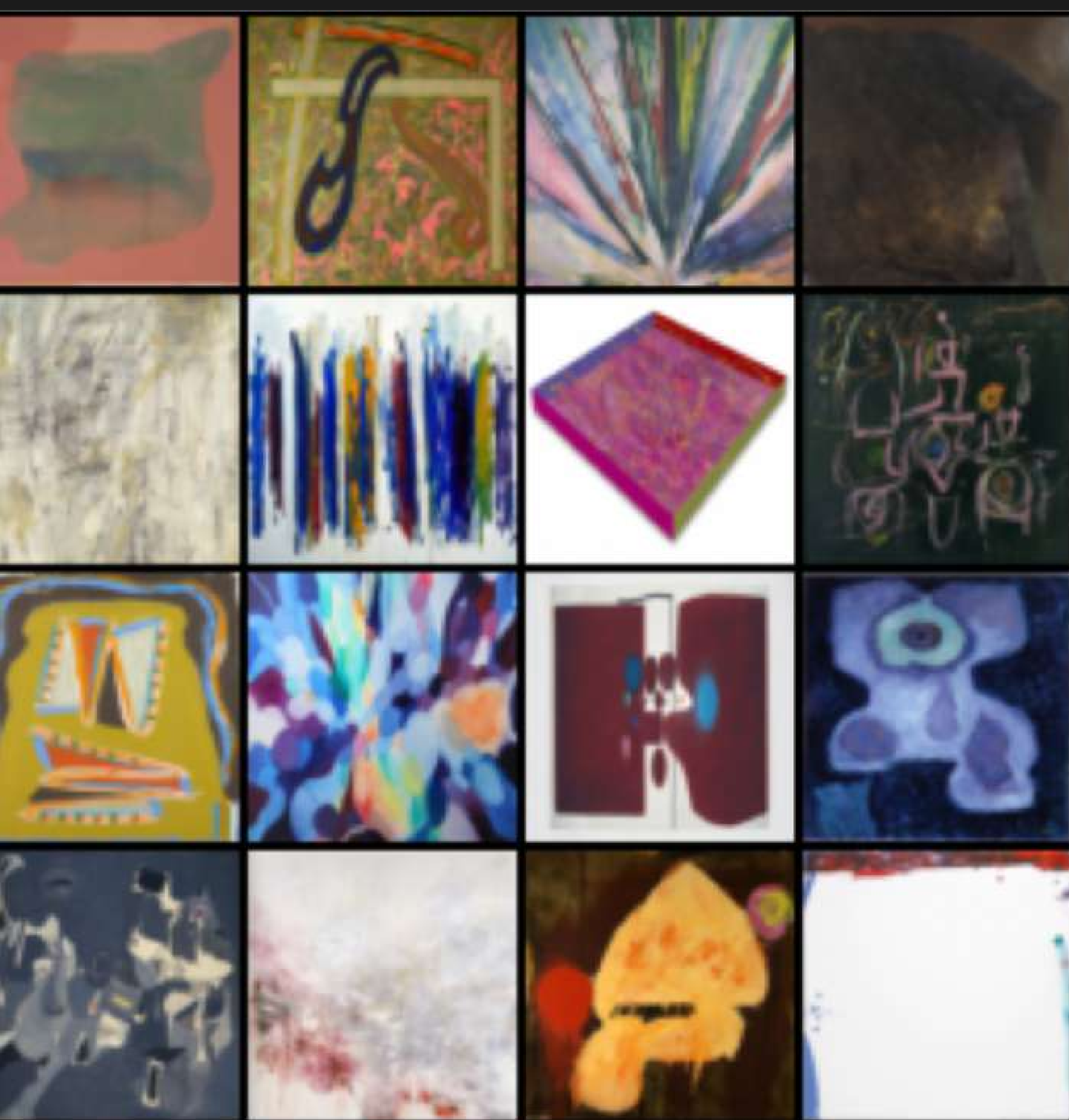
LITERATURE REVIEW

SAKIB SHAHRIAR

GAN computers generate arts? A survey on visual arts, music, and literary text generation using generative adversarial network

EUGEN WASSILIWIZKY

Why and How Should Cognitive Science Care about Aesthetics?



DATASET



2782 FILES OF ABSTRACT IMAGES

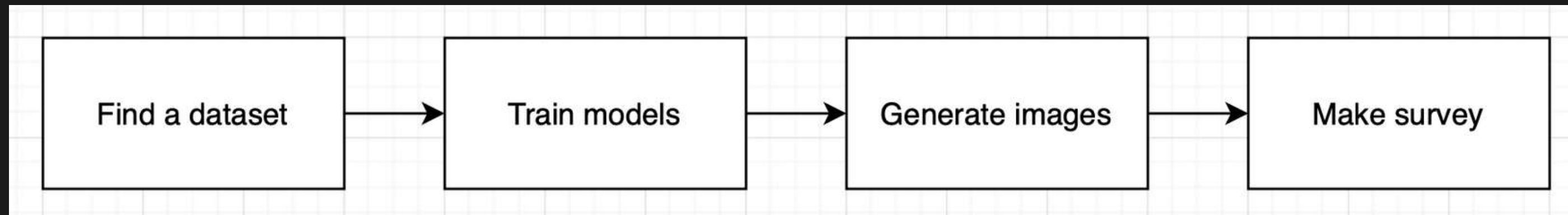


720 X 720

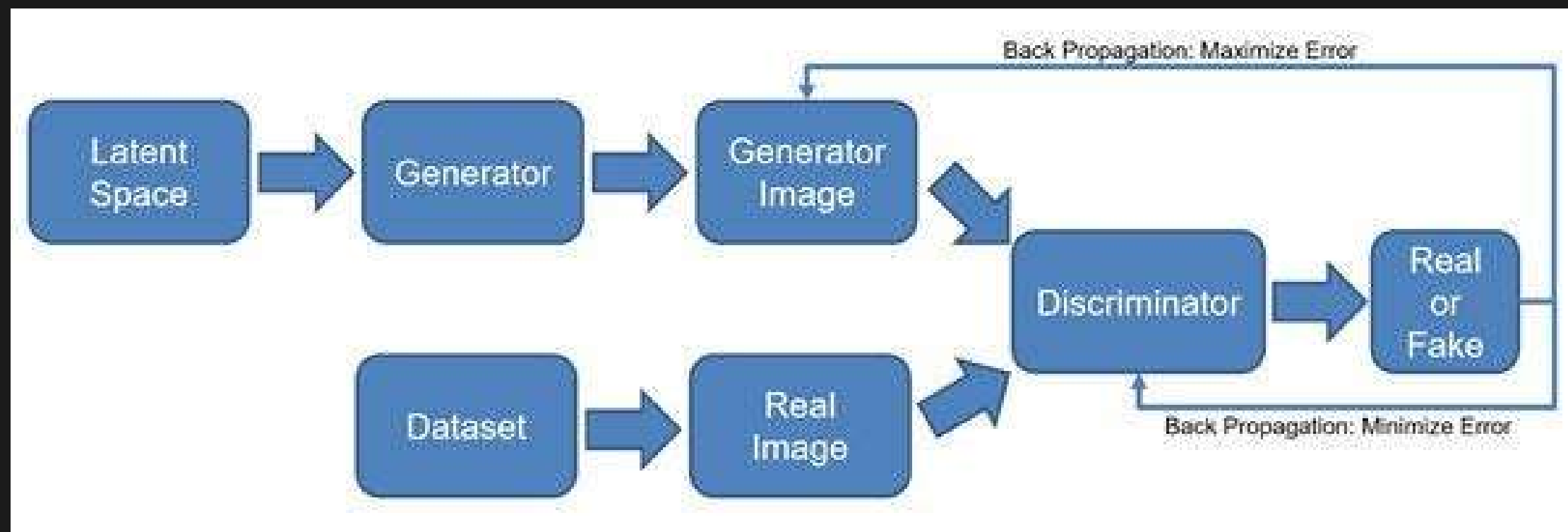
Each file in this dataset likely represents a unique abstract artwork, include various types of style, composition, color palette, and complexity.

<https://www.kaggle.com/datasets/bryanb/abstract-art-gallery/data>

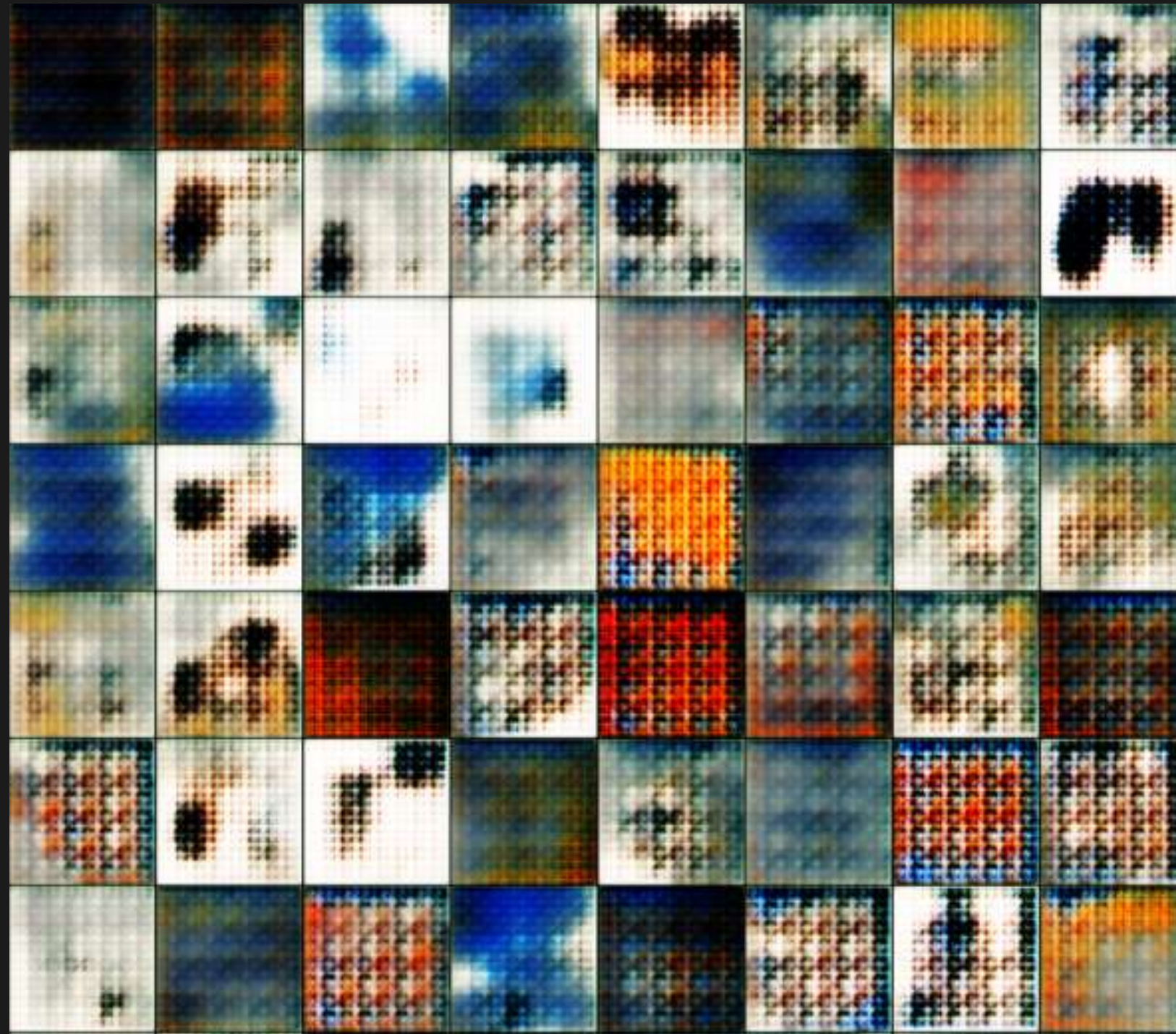
EXPERIMENT DESIGN



IMPLEMENTATION



EXAMPLES OF THE GENERATED IMAGES (EPOCH = 50)



EXAMPLES OF THE GENERATED IMAGES (EPOCH = 100)



EXAMPLES OF THE GENERATED IMAGES (EPOCH = 200)



RESULTS OF THE SURVEY

Please, choose a picture that seems to be AI generated. You also can choose several answers



☐ Вариант 1

☐ Вариант 2

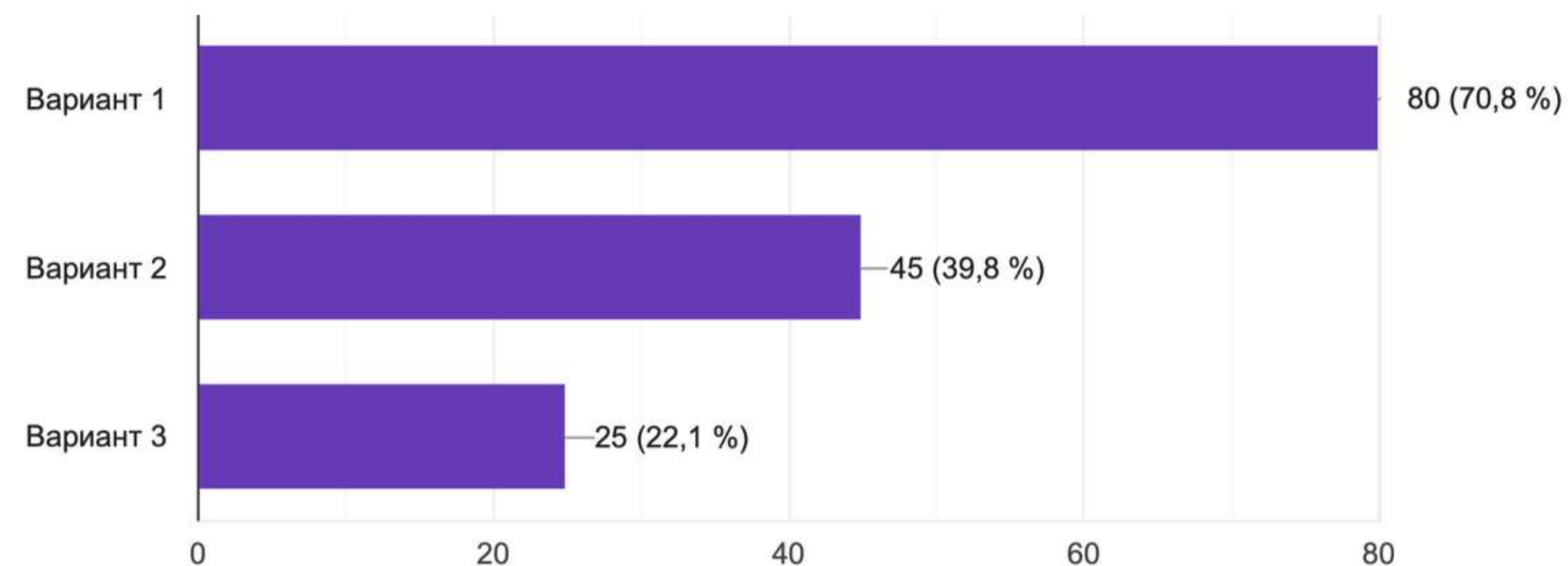


☐ Вариант 3

Please, choose a picture that seems to be AI generated. You also can choose several answers

Копировать

113 ответов



1 IS THE CORRECT ANSWER

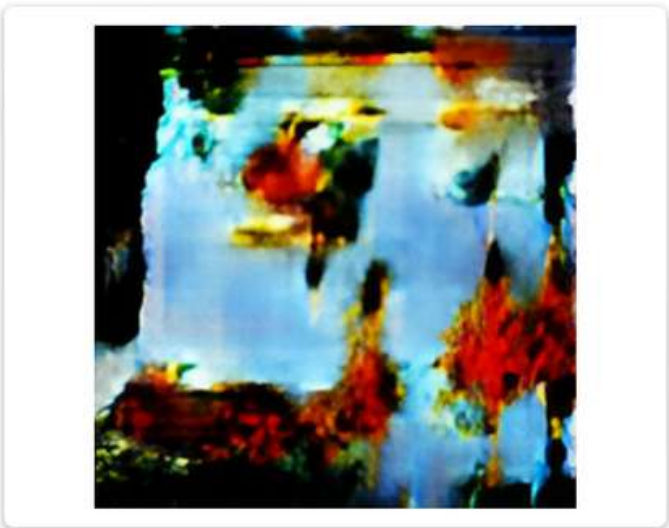
Please, choose a picture that seems to be AI generated. You also can choose several answers *



☐ Вариант 1



☐ Вариант 2

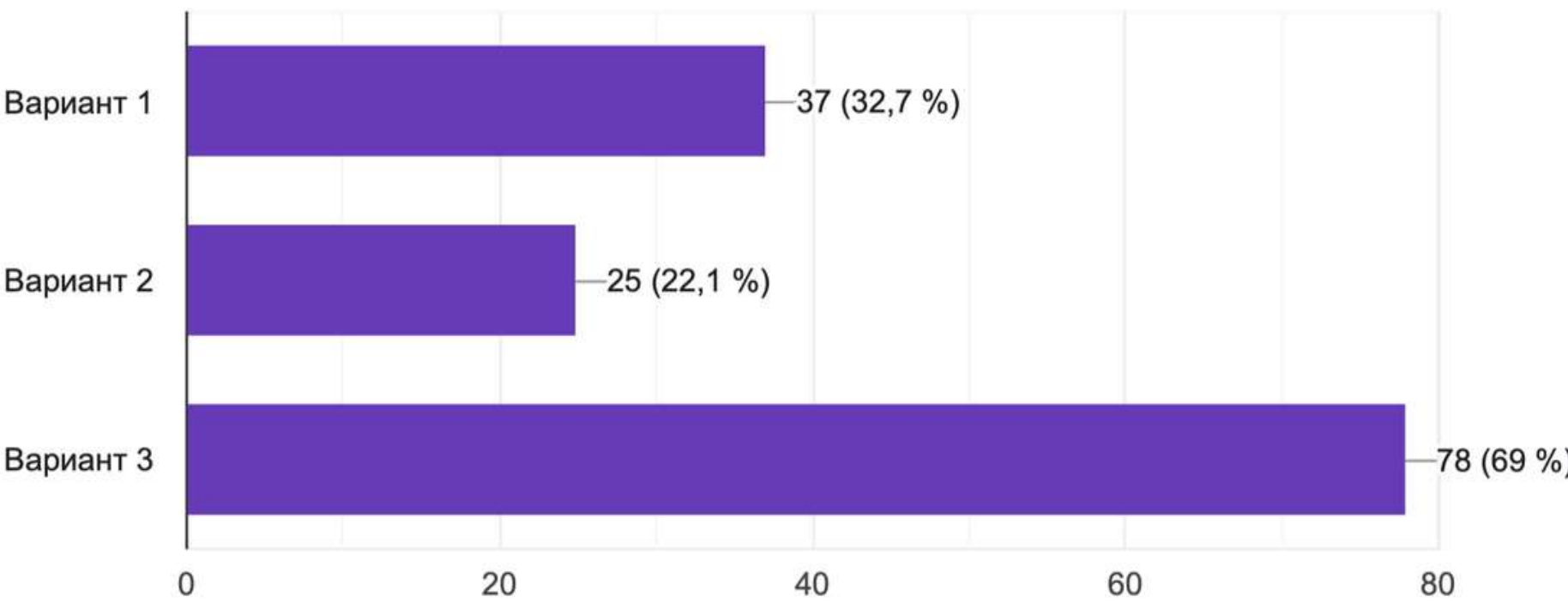


☐ Вариант 3

Please, choose a picture that seems to be AI generated. You also can choose several answers

 Копировать

113 ответов

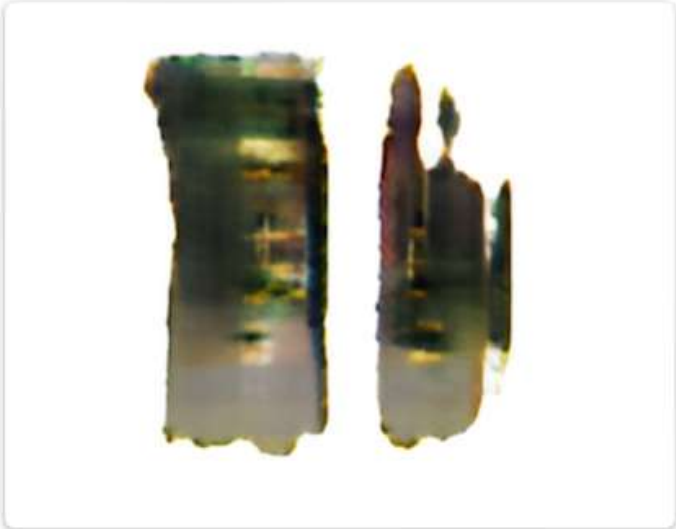


3 IS THE CORRECT ANSWER

Please, choose a picture that seems to be AI generated. You also can choose several answers *



☐ Вариант 1



☐ Вариант 2

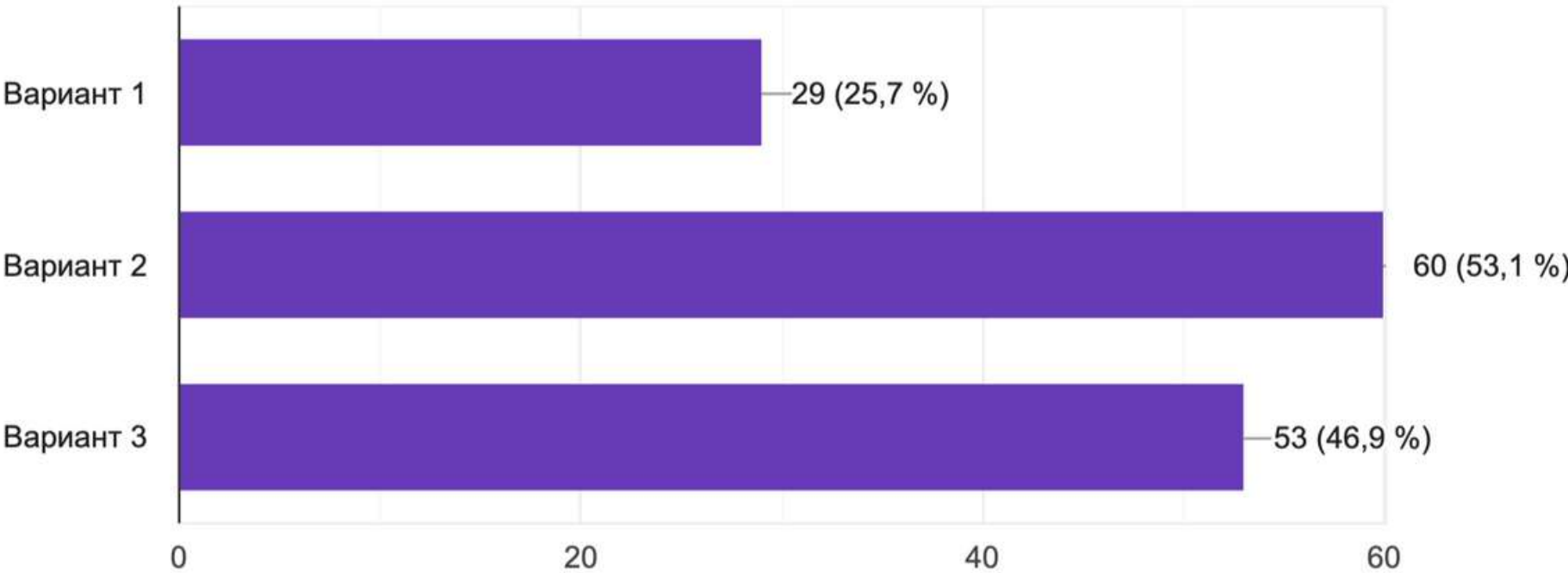


☐ Вариант 3

Please, choose a picture that seems to be AI generated. You also can choose several answers

 Копировать

113 ответов



2 IS THE CORRECT ANSWER

Please, choose a picture that seems to be AI generated. You also can choose several answers



☐ Вариант 1



☐ Вариант 2

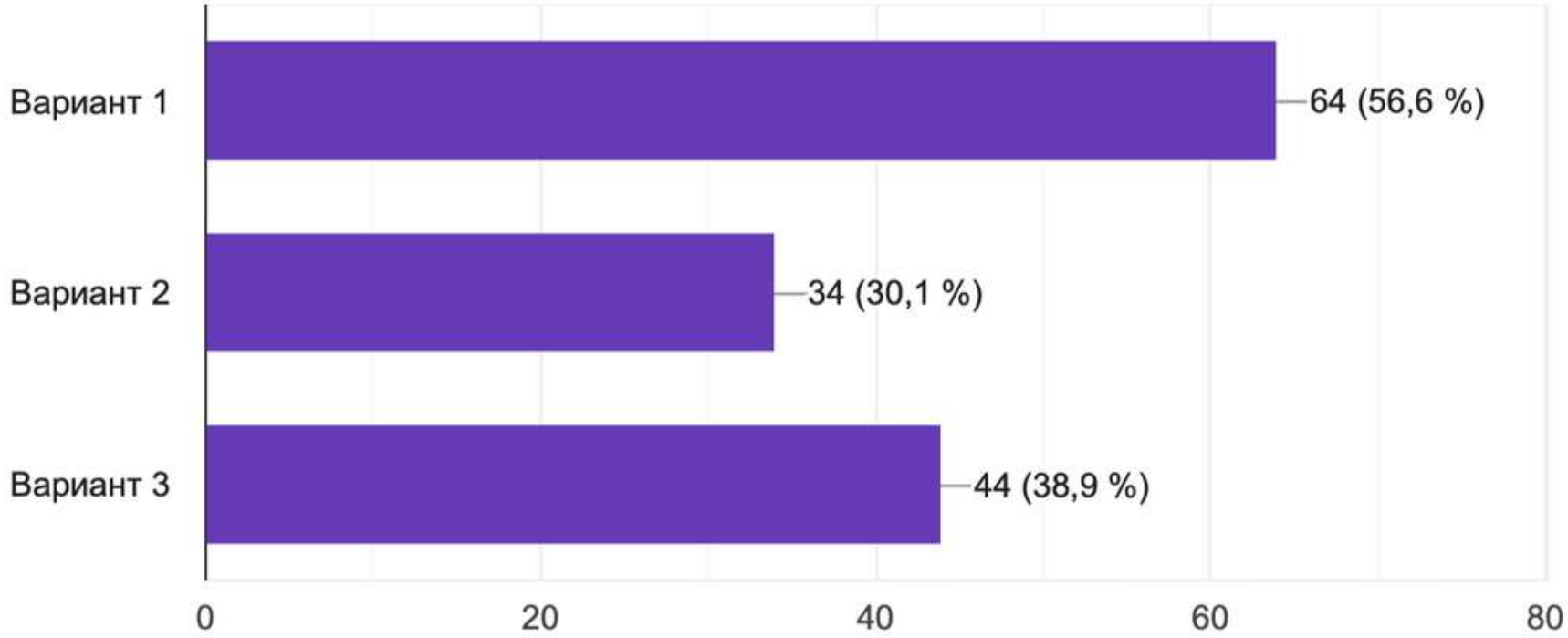


☐ Вариант 3

Please, choose a picture that seems to be AI generated. You also can choose several answers

Копировать

113 ответов

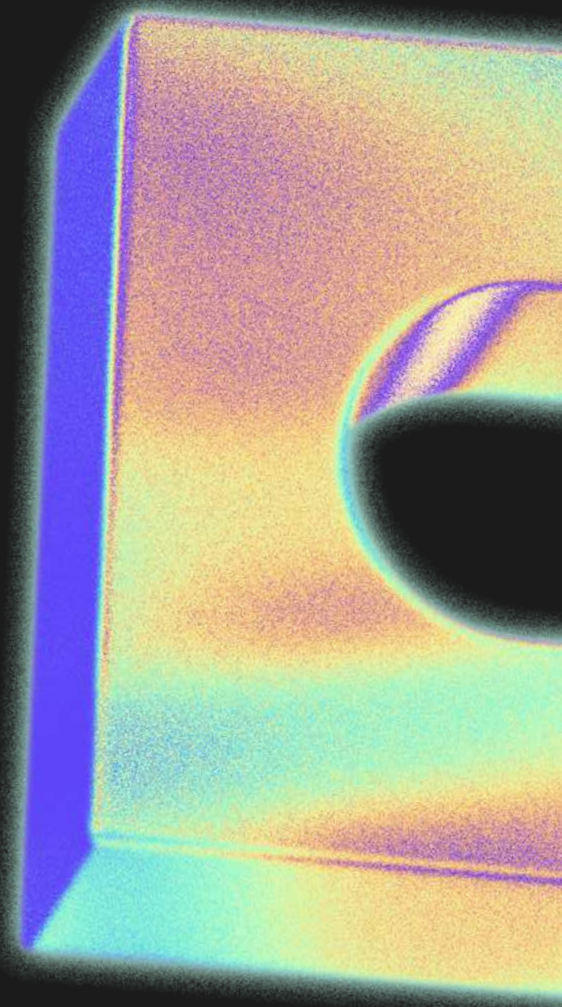


1 IS THE CORRECT ANSWER



CONCLUSION

- GAN can produce images that can be similar to the one that is painted by people
- More epochs = much better images





KBTU



**THANK YOU
FOR YOUR
ATTENTION!**
