

The Aesthetic Ethics of Midjourney under the Development of Artificial Intelligence

Yaodong Zheng

College Humanities, University Tongji, Shanghai, 200082, China

Keywords: Aesthetic Ethics, Midjourney, Artificial Intelligence, Artistic Creation

Abstract: With the continuous development of artificial intelligence technology, artificial intelligence mapping applications such as Midjourney are also playing an increasingly important role in our daily life and work. However, with the expansion of its application, it also faces a series of ethical problems. From the perspective of aesthetic ethics, this paper discusses the aesthetic ethics of Midjourney, an artificial intelligence form, in artistic creation. Through the discussion of the aesthetic ethics of Midjourney, the author puts forward the creation criteria to be followed when interacting with Midjourney, and pays attention to the importance of Midjourney database specification. In modern society, people have paid more and more attention to the appropriate field of application of artificial intelligence, requiring Midjourney to follow the originality of artistic creation as much as possible, respect for human creation laws and other ethics. Therefore, it has become an important research direction to provide suggestions on aesthetic ethics for Midjourney, so as to help Midjourney achieve art generation conforming to ethical norms. Through the way of thinking of artificial intelligence aesthetic ethics, we can provide new ideas and methods for the development of Midjourney, so that it can better serve human society.

1. Introduction

With the development of artificial intelligence, the advent of artificial intelligence robots such as Midjourney has attracted wide attention [1-2]. The image robot can simulate human art creation and realize the spiritual aesthetic requirements of human beings. However, the emergence of image robots has also triggered a series of aesthetic ethical issues. The development of artificial intelligence has a profound impact on artistic creation, and aesthetic ethics is particularly important [3-4]. In the development of Midjourney, we should not only pay attention to the advancement and efficiency of technology, but also consider its impact on human society and human values. We must take a hard look at how to set more humane and reasonable aesthetic ethics for AI, and pay attention to the potential risks from chatbots such as Midjourney. Therefore, it is necessary to deeply explore the moral and ethical challenges of AI and strive to promote the healthy development of AI [5].

Take Hernandez-Orallo E, an ethical framework for AI testing, which helps researchers and operators better manage and evaluate the ethical and social responsibility of AI systems to protect human interests and social justice. The framework introduces a systematic approach that can be used to design and evaluate AI systems to ensure that they do not cause adverse consequences at

runtime. Specifically, the framework covers three fundamental aspects: technology design, informed consent, and social responsibility [6]. We are seeing artificial intelligence (AI) become a core technology in many fields, but its use and application also brings many ethical and social issues. It systematically explores all aspects of AI ethics, from the theoretical to the practical level, including the social impact of AI, the ethics and social responsibility of AI, and the regulation and governance of AI. Deng highlighted some of the risks in the application of AI technology, such as data privacy, social inequality brought about by the application, autonomous weapons, and made a series of solutions and suggestions. The system also analyzes the current situation and future trend of the AI industry, including the improvement of AI technology, the expansion of the market scale, the rapid growth of applications and other factors, and discusses how to improve the level of artificial intelligence ethics in this case to solve the ethical problems caused by artificial intelligence technology [7]. Artificial intelligence (AI) ethics is a field of study that addresses ethical issues in the development and application of intelligent systems. Cao explained that ethical approaches mainly include discussing the moral framework, rules and principles that artificial intelligence should follow from the perspectives of ethical philosophy, sociology and jurisprudence, and how to deal with moral conflicts and dilemmas in different scenarios [8]. The above research does not deeply analyze the aesthetic ethical review of midjourney under the development of artificial intelligence, and needs to be improved.

In the field of AI, people have to deal with many ethical challenges, such as personal privacy, data security, algorithmic transparency, social equality and discrimination, ethical response and accountability. These challenges require interdisciplinary research and the application of rigorous ethical principles to guide the design and use of AI. Future directions include developing more detailed and accurate ethical standards for AI, strengthening strict legal and regulatory frameworks, enhancing multi-stakeholder collaboration, developing a common AI ethical framework, improving data privacy and transparency, increasing accountability and transparency for intelligent systems, and promoting open and democratic decision-making processes.

2. Relevant Introduction

2.1 Development and Evolution of Aesthetic Ethics

Aesthetic ethics comes into being as an important field of philosophy, focusing on the relationship between aesthetics and ethics. In ancient Greek philosophy, aesthetic ethics mainly focused on the relationship between man and beauty, emphasizing the objectivity and inseparability of aesthetic experience. The ancient Greek philosopher Plato put forward a transcendental view of aesthetics, believing that beauty is the result of changes and evolution of the soul level. With the development of culture and society, aesthetic ethics also evolve. Since modern times, the focus of aesthetic ethics has turned to the relationship between culture, art and personal emotion and ethics. In the 20th century, aesthetic ethics experienced two important transformations: phenomenological empiricism and functionalism instrumental rationality. Finally, aesthetic ethics has gradually moved towards the post-modern field of human freedom and aesthetic rights [9].

2.2 Main Viewpoints on Aesthetic Ethics

As a complex and pluralistic field, aesthetic ethics has different viewpoints. Among them, the current creation of artificial intelligence mainly includes three different types: formalism direction, ethical care direction and eclecticism.

Formalism holds that beauty in a work of art is a form independent of the value or meaning of its application, and that the value of a work of art is only related to its form factors. This view

emphasizes the importance of form in artistic creation, and they believe that people's beautiful experience comes from the aesthetic form elements in artworks, rather than the emotional communication or ideological thinking that artworks can bring. The direction of ethical concern emphasizes social concern in works of art, and emphasizes that people should strengthen the understanding and analysis of the potential ethical information in works of art. This view attaches importance to people's exploration of the mechanism and core carried by artworks in addition to artistic beauty and emotional experience. Finally, synthesism combines formalism with ethicalism. It emphasizes not only the formal characteristics of aesthetic experience, but also the aesthetic experience under the ethical and social background. The Eclectic believes that beauty in art or creative works cannot be completely dissolved in form, nor can it simply be attached to the story or background of the work. In the study of aesthetic ethics, these perspectives are weighed between ethical and formal elements and attempt to provide the most complete explanation of how people feel and understand a work of art. Different viewpoints have evolved and mutated in different cultures, backgrounds and individual aesthetic experiences and values, allowing us to understand more perspectives and experiences [10-12].

3. The Aesthetic Ethics Verification of Midjourney under the Development of Artificial Intelligence

3.1 Midjourney's Aesthetic Ethical Judgment

As an artificial intelligence form, Midjourney itself does not have the ability to perceive and experience aesthetics, so it does not have its own aesthetic point of view. The words and answers it can produce are based on its pre-trained database, which has no subjective aesthetic criteria. Therefore, Midjourney itself cannot judge the aesthetic and ethical implications, but should provide Midjourney with relevant views and suggestions from a human perspective.

3.2 Midjourney's Perspective on Aesthetic Ethics

In human society, aesthetic ethics is a kind of aesthetic judgment that people make according to their own spiritual needs. This kind of ethical judgment can guide human behavior in various activities and establish a series of category standards. When we apply this concept of aesthetic ethics to Midjourney, it can provide us with a more accurate way to generate art forms based on audience data. Because Midjourney's verbal responses are generated based on a pre-trained database, the corpus is written and organized by humans, and it also contains some established principles of aesthetic judgment. Therefore, in the process of interacting with Midjourney, we can ask Midjourney to follow these probabilistic conclusions and avoid using discriminatory formal language or improper symbols as much as possible [13].

3.3 Midjourney's Aesthetic Ethical Suggestions

In the actual application process of Midjourney, in order to avoid some inappropriate words as much as possible, we can consider providing some aesthetic ethical suggestions for Midjourney. For example, in the process of symbols, we can ask Midjourney to use neutral symbols as much as possible and avoid using derogatory expressions aimed at certain groups. In addition, we can set some creative guidelines for Midjourney, such as following some common forms of artistic creativity, and avoid infringing on human creators by using unlicensed creative forms.

Under the guidance of the above suggestions, Midjourney's aesthetic ethics system can be established and improper artistic creation can be avoided as far as possible. In the long-term

practice, we believe that with the continuous improvement of technology, Midjourney's aesthetic ethics score will continue to improve. As shown in Figure 1:

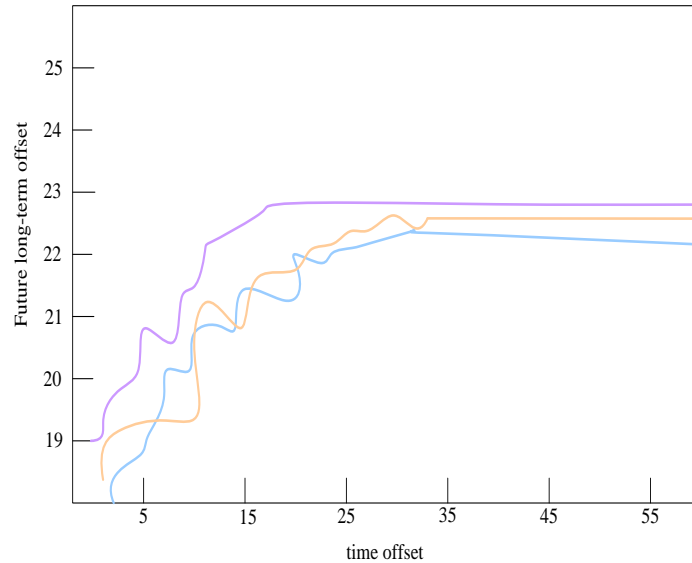


Figure 1: Changes in aesthetic ethics in Midjourney

As can be seen from Figure 1, the three lines represent the initial state of Midjourney's aesthetic ethics. Midjourney's aesthetic ethics score is low at the beginning, but gradually increases with the passage of unit time. From the original 0 to 23 points, this is because with the continuous progress of society and technology, our ethical requirements for artificial intelligence are also constantly improving. Therefore, Midjourney has also made corresponding adjustments to meet human aesthetic expectations as soon as possible and achieve the integration of designers and artificial intelligence progress.

3.4 Future Development Trend of Midjourney's Aesthetic Ethics under the Development of Artificial Intelligence

The impact of artificial intelligence on human society is increasing, and this impact also includes changes in aesthetics. Midjourney is a visual processing technology, and although it is based on a database of human aesthetic forms, its direction is also bound to involve our examination of aesthetic ethics. With the development of technology, Midjourney can get closer and closer to the human mode of thinking, while also influencing human standards of beauty. For example, when Midjourney learns some breakthrough ideas or forms, its answers may affect the user's perception of beauty [14].

Therefore, the future development trend of Midjourney needs to be based on the needs of the majority of demanders within the framework of formal and aesthetic ethics. As technology evolves, it is important to ensure that Midjourney's opinions and answers do not have a harmful impact on the creator, and measures need to be taken to ensure that Midjourney does not have a false impact. As shown in Figure 2:

The possibilities for Midjourney development are shown in Figure 2. The rising curve indicates that with the future trend, it can reach 100% aesthetic ethics conforming to human standards, and the two axes represent time and computing power units respectively. Midjourney's technology will become more sophisticated and intelligent, which will allow it to more accurately analyze the needs of the human spirit and provide more appropriate visual forms. However, the curve may be retraced, which indicates that the development of Midjourney may be limited by technology or changes in

human aesthetic requirements, which is a manifestation of the need for differentiation of the human spirit [15].

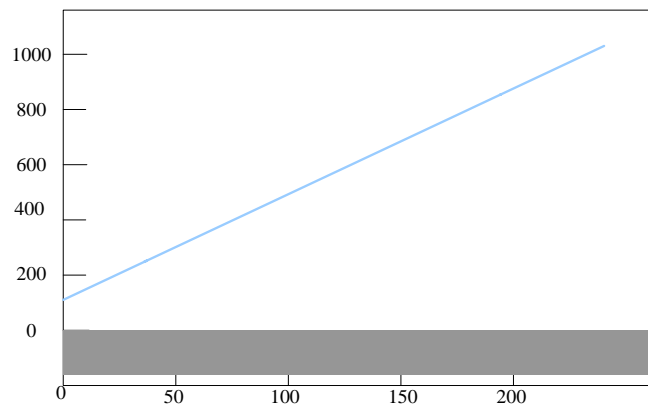


Figure 2: The future development trend chart of midjourney's aesthetic ethics review under the development of artificial intelligence

3.5 Midjourney's Aesthetic Ethics Examine More Efficient Censorship Mechanisms

To effectively review Midjourney's output, we can implement the following measures:

1) A multi-layer filtering mechanism is implemented: Midjourney's output can be filtered through multiple layers, which will help filter out undesirable content. For example, automatic filtering is carried out first, and then the feedback is handed over to a human review, and the cycle is corrected.

2) Machine learning techniques: The Midjourney model can be trained using machine learning techniques to reduce the chance of generating bad or harmful content. By iterating and updating the model, Midjourney can be more precise in generating appropriate responses.

3) Manual review: We must hire suitably qualified personnel to review Midjourney's output. Human censorship can be an effective way to reduce the amount of bad content, especially if automatic filtering can't handle it.

4) Tighten security measures: perform a full security check before Midjourney generates any response. Midjourney can generate a response only after the security check is passed. This ensures that the responses generated by Midjourney are legally safe and reduces the risk of bad content.

3.6 Midjourney Joins the Aesthetic Ethics of Human Supervision Mechanism

In order to better protect Midjourney's output in accordance with social ethical and aesthetic standards, we can add human monitoring mechanisms to ensure that Midjourney's output is constrained by aesthetic ethics.

These human overseers can be artists or designers with high aesthetic standards, or they can be sociocultural experts. They will be empowered to review Midjourney's generated responses to check whether they are in line with ethical standards and social values. If they find that a response generated by Midjourney does not meet these criteria, they can flag the response and inform the team within Midjourney with feedback.

This aesthetic ethical mechanism can ensure that Midjourney's generated response does not produce content that may have a negative impact on society, thereby enhancing Midjourney's social responsibility and sustainable development ability. In teams within Midjourney, dedicated esthetic ethics experts can work with human monitors to evaluate and optimize the responses generated by Midjourney. This process will continuously improve and ensure that Midjourney's generated

response is of higher creativity and value while conforming to aesthetic ethics and standards.

4. Conclusion

By examining the artificial intelligence form Midjourney from the perspective of aesthetic ethics, we can find that under the guidance of aesthetic ethics, Midjourney's artistic creation and expression ultimately pass the test of human aesthetic judgment, and only with the intervention of professionals can it better meet the ethical requirements of society, so that it can be more accepted and used. In addition, we can provide some reasonable aesthetic ethical suggestions for Midjourney to promote its language to be more neutral, objective and respectful of human aesthetic needs and dignity. In general, with the improvement of society's ethical and moral requirements and the progress of artificial intelligence technology, Midjourney will pay more attention to the multi-layered needs of human spirit in the future development, avoid improper or discrimination in art forms, and gradually form a common aesthetic ethical standard with human society. We hope that this ethical review can provide some effective guidance and reference for the development and application of Midjourney. At the same time, we also hope that the development of Midjourney can better serve human society and bring more convenience and benefits to our daily life.

References

- [1] Wang K, Ma H, Wang W, et al. Aesthetic Evaluation of Chatbot Interface based on User Experience. *International Journal of Human-Computer Interaction*, 2019, 35(12):1119-1128.
- [2] Holzinger A, Biemann C, Pattichis C, et al. What do we need to build explainable AI systems for the medical domain? *Nature Machine Intelligence*, 2019, 1(6):244-251.
- [3] Haraguchi M, Kihara K. AI ethics as social responsibility: ethics of care perspective. *AI & Society*, 2020, 35(2):371-378.
- [4] Kim Y, Jeong Y, Bae S, et al. Ethical considerations in developing deep neural networks based on electronic health records data. *Health Informatics Journal*, 2020, 26(4):2623-2633.
- [5] Kher R, Bhatia S, Nagar A K, et al. Automated medical history taking through speech recognition: a literature review. *International Journal of Computer Assisted Radiology and Surgery*, 2020, 15(6):965-977.
- [6] Hernández-Orallo E, Dowe D L, Martínez-Plumed F, et al. An ethical framework for AI testing. *AI Communications*, 2020, 33(3):251-269.
- [7] Deng L, Li S, Zhang D. Ethics in artificial intelligence: From theory to implementation. *Chinese Journal of Mechanical Engineering*, 2021, 34(4):70-80.
- [8] Li S, Zhang D. An overview of approaches, challenges and future directions in AI ethics. *Artificial Intelligence Review*, 2021, 54(7):5039-5067.
- [9] Yang L, Li H. Ethical Exploration of Artificial Intelligence and Teaching Quality Enhancement. *Journal of Information Technology Education*, 2021, 20(1):51-66.
- [10] Nair N, Hsu E, Kim M, et al. Perceived Ethical Issues in Using Deep Learning for Radiology. *Journal of Digital Imaging*, 2021, 34(4):690-698.
- [11] Gao T, Zhang R, Chen H, et al. Ethics and artificial intelligence in healthcare: A review. *Engineering*, 2021, 7(8):1017-1030.
- [12] Al-Khalifa H, Alkhalidi M. Aesthetic parameters for the evaluation of creative civic chatbots. *Artificial Intelligence and Law*, 2021, 29(1):17-44.
- [13] Hassan M T, Bouguettaya A. A Multi-Agent Service Approach for Interpretable and Actionable AI. *IEEE Transactions on Services Computing*, 2021, 14(3):561-575.
- [14] Yilmaz A E, Özçep T, Medeni İ T. Ethically Aligned Design Principles for Chatbots. *Journal of Ethics & Social Welfare*, 2021, 15(1):65-85.
- [15] Jarrahi M H, Akbulut A E, Growe S R, et al. An AI Ethics Review: A Model-Based and Human-Centered Approach. *Journal of the Association for Information Science and Technology*, 2022, 73(1):73-98.