

PEER-REVIEW REPORT

Name of journal: *World Journal of Methodology*

Manuscript NO: 85525

Title: ChatGPT in action: Harnessing artificial intelligence potential and addressing ethical challenges in medicine, education, and scientific research

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05789838

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2023-05-02

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-06-17 03:31

Reviewer performed review: 2023-06-19 12:02

Review time: 2 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I have thoroughly reviewed your narrative review on the applications, limitations, and ethical considerations of ChatGPT based on existing literature. Overall, I find the paper to be excellent, addressing a highly relevant and current topic while organizing a range of viewpoints in a coherent manner. It is certainly worthy of publication in a reputable journal. However, I have a suggestion to enhance the comprehensiveness of the review by including discussions on AI application ethics from both an AI perspective and a human perspective. This addition would make the review more comprehensive and enriched. For instance, in the previous papers published before your review, there are relevant studies on AI ethical limitations that you could reference, such as "Artificial intelligence-assisted psychosis risk screening in adolescents: Practices and challenges" published in World Journal of Psychiatry in 2022.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06025907

Position: Peer Reviewer

Academic degree: BSc

Professional title: Academic Research, Research Assistant, Research Scientist, Teaching Assistant

Reviewer's Country/Territory: United States

Author's Country/Territory: India

Manuscript submission date: 2023-05-02

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-06-16 19:45

Reviewer performed review: 2023-06-19 19:55

Review time: 3 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty

Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation
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Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper provides a comprehensive overview of ChatGPT, an AI language model developed by OpenAI, its potential applications in healthcare, education, and scientific research, and the ethical challenges associated with its use. The authors highlight the need for guidelines, regulations, and collaboration among various stakeholders to ensure the responsible and ethical use of AI tools like ChatGPT. While the paper covers relevant aspects of ChatGPT's capabilities and limitations, it needs a more critical analysis of the presented information. It also needs to discuss potential solutions to the identified ethical concerns. Overall, the paper provides a good introduction to the topic but could benefit from a more in-depth examination of the issues and stronger recommendations. Some major concerns include a lack of critical analysis and comprehensive analysis of limitations and ethical challenges associated with ChatGPT. This may arise due to the limited resources available on this topic. The authors should



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evaluate the impact of identified limitations, address concerns raised by researchers, and explore ethical risks. Additionally, the paper should discuss biases in AI systems, propose strategies for mitigation, provide specific recommendations for addressing ethical challenges, and thoroughly analyze the impact of AI tools on human intelligence. Some recommendations include including the main findings in the abstract, ensuring a focused introduction outlining the paper's structure and objectives, enhancing coherence with better transitions between ideas, incorporating more citations for supporting claims and referencing studies, and concluding with a summary of key points and concrete recommendations for future advancements and addressing ethical challenges.