

Understanding the Interplay Between Academic Integrity and the use of ChatGPT in Academic Research

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Abstract: *The present study shows the interplay between academic integrity and the deployment of ChatGPT in scholarly research within educational frameworks increasingly utilizing artificial intelligence (AI). As AI becomes embedded in academia, it raises significant integrity issues, particularly regarding the originality of student work, the development of critical thinking skills, and the equitable access to technological resources. Concurrently, ChatGPT offers substantial advantages in academic research, such as assisting in literature reviews, data analysis, drafting process facilitation, and fostering idea generation. The study proposes strategies for upholding academic integrity, including the development of AI text-detection tools, revamping of assessment approaches, and educational initiatives about the ethical use of AI. Ethical considerations such as consent, transparency, bias mitigation, and data privacy, along with methodological challenges pertaining to data validity and integration into traditional research, are discussed. The paper outlines guidelines for ethical and responsible AI use and underscores the need for collaborative and informed approaches that harness the potential of AI tools while safeguarding against their limitations and implications for academic integrity.*

Keywords: Artificial Intelligence, ChatGPT, academic research