Re: Peer Response

by Mariam Ibrahim Ismail Hasan Almarzooqi - Saturday, 18 October 2025, 8:16 AM

Hi, Thank you for your comprehensive and thoughtful post on the ethical challenges of deep learning based generative AI. You've done an excellent job highlighting key issues such as bias, copyright, misinformation, and environmental impact. I particularly appreciated your discussion on the automation of human tasks and the redistribution of responsibility. This is a crucial but often overlooked aspect of the AI ethics conversation (Al-kfairy et al., 2024). Your point about bias in generative models is especially timely. As noted in recent studies, systems like DALL·E can indeed reinforce stereotypes, often unintentionally, due to unbalanced training data (Zhang et al., 2023). This issue becomes more concerning as generative tools are deployed at scale in education, media, and even policymaking. You also effectively raised the copyright dilemma surrounding creative mimicry. To expand on that, artists and content creators are increasingly calling for clearer attribution systems or compensation models, especially as AI-generated content becomes commercially viable (Floridi & Cowls, 2019). I'd also add that transparency and explainability in AI decision-making should be prioritized alongside governance. Models operating as "black boxes" pose accountability risks, mainly when outputs result in real-world harm (Jobin, Ienca & Vayena, 2019). Your proposed solutions for human oversight, data transparency, and regulatory reform are spot-on. I believe cross-sector collaboration between developers, ethicists, and legal experts will be key to creating frameworks that ensure both innovation and responsibility. References: Floridi, L., & Cowls, J. (2019). A unified framework of five principles for AI in society. Harvard Data Science Review, 1(1). https://doi.org/10.1162/99608f92.8cd550d1 Jobin, A., Ienca, M., & Vayena, E. (2019). The global landscape of AI ethics guidelines. Nature Machine Intelligence, 1(9), 389–399. https://doi.org/10.1038/s42256-019-0088-2

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