Summary post

Thank you both for your insightful contributions to this discussion on the risks and benefits of generative AI to society. My initial post highlighted the creative potential of AI technologies like ChatGPT 4.5, emphasizing their ability to enhance creativity across diverse groups and preserve cultural legacies (Caramiaux and Donnarumma, 2020; Hussain, 2025). However, I also raised concerns about the ethical challenges, including the potential diminishment of individual creativity, job displacement in creative industries, and issues surrounding copyright and authenticity (Mammen *et al.*, 2024; Öztaş and Arda, 2025).

Abdulhakim, your response provided a valuable perspective on the emergence of new roles in AI ethics and interpretability research (Anthropic, 2024). Your point about the potential drawbacks of over-reliance on AI-generated content, particularly in coding, is well-taken, and resonates with me personally (Takerngsaksiri *et al.*, 2024). To address your question, I believe the most crucial development will be equipping existing roles with the tools, knowledge, and skills needed to integrate AI effectively into their daily work, making professions like teaching, writing, design, and scientific research more dynamic and adaptive.

Yemi, your contribution further elaborated on the cultural preservation aspect of AI (Culafic, Popovic and Cakic, 2025), while also emphasizing the complexities surrounding copyright and authenticity (Yang and Zhang, 2024). Your point about the need for clearer policies around authorship, consent, and responsible use is particularly pertinent as we navigate this evolving landscape. I have come to believe that regulation and oversight will be determining factors in balancing the benefits and risks of using AI-based technology across all its current and potential future use-cases.

Both of your responses have enriched this discussion, providing additional perspectives and nuances to the original arguments. As we move forward, it's clear that balancing the innovative potential of generative AI with ethical considerations and respect for human creativity will be crucial in shaping its integration into various fields (Mbiazi *et al.*, 2023).

References:

Anthropic (2024) *Mapping the Mind of a Large Language Model*. Available at: https://www.anthropic.com/research/mapping-mind-language-model (Accessed: 19 April 2025).

Caramiaux, B. and Donnarumma, M. (2020) 'Artificial Intelligence in Music and Performance: A Subjective Art-Research Inquiry'. arXiv. Available at: https://doi.org/10.48550/arXiv.2007.15843.

Culafic, I., Popovic, T. and Cakic, S. (2025) 'Voice Cloning and TTS for Preservation and Enrichment of Cultural Heritage'. IEEE, 21 March. Available at: https://doi.org/10.1109/IT64745.2025.10930262.

Hussain (2025) *How AI is transforming music and preserving legends — but raising ethical concerns*, *Arab News*. Available at: https://arab.news/8r2jg (Accessed: 7 April 2025).

Mammen, C.E. *et al.* (2024) *Creativity, Artificial Intelligence, and the Requirement of Human Authors and Inventors in Copyright and Patent Law*.

Mbiazi, D. *et al*. (2023) 'Survey on AI Ethics: A Socio-technical Perspective'. arXiv. Available at: https://doi.org/10.48550/arXiv.2311.17228.

Öztaş, Y.E. and Arda, B. (2025) 'Re-evaluating creative labor in the age of artificial intelligence: a qualitative case study of creative workers' perspectives on technological transformation in creative industries', *AI & SOCIETY* [Preprint]. Available at: https://doi.org/10.1007/s00146-025-02180-6.

Takerngsaksiri, W. *et al*. (2024) 'Students' Perspective on AI Code Completion: Benefits and Challenges'. arXiv. Available at: https://doi.org/10.48550/arXiv.2311.00177.

Yang, S.A. and Zhang, A.H. (2024) 'Generative AI and Copyright: A Dynamic Perspective'. arXiv. Available at: https://doi.org/10.48550/arXiv.2402.17801.