

Review of: "“The Forbidden Planet”: AI and Psychology: Prepare and Sound the Alarm!"

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Potential competing interests: No potential competing interests to declare.

The manuscript is a reflection on the implications of artificial intelligence (AI) in society and psychology, taking as its starting point the 1956 science fiction film "Forbidden Planet."

The manuscript addresses various implications of artificial intelligence (AI) in contemporary society, including the generation of fake content, the development of relationships with artificial intelligences, and potential transformations in sexuality and social interaction. While the document offers interesting reflections, it is important to note that it does not provide direct scientific evidence to support all its claims. However, we can explore some key points and seek relevant research and findings that may support or complement the ideas presented:

Deepfakes and Fake Content Generation: The AI's ability to create convincing images and videos of people and events that do not exist is a topic that has been widely researched and discussed. Studies have been conducted on deepfake detection and fake content generation techniques. For example, researchers from academic and industry institutions have developed algorithms and tools for detecting deepfakes and other types of media manipulation. Articles like "DeepFakes and Beyond: A Survey of Face Manipulation and Fake Detection" (IEEE Signal Processing Magazine, 2020) provide an overview of challenges and solutions in this field.

Relationships with Artificial Intelligences: While the text mentions the development of emotional relationships with artificial intelligences, it is a topic that is still evolving and largely speculative. However, there is research in psychology and computer science exploring how people interact with chatbots and virtual assistants. Studies such as "Social robots and virtual agents as lecturers for video lectures: A comparison of their impact on student learning" (Computers in Human Behavior, 2021) examine how people respond to interactions with virtual agents in educational settings.

Transformations in Sexuality and Social Interaction: The idea that AI could influence how people experience sexuality and social relationships is a controversial and speculative topic. Although there is no direct evidence to support the specific predictions mentioned in the text, there is research on the impact of technology on intimacy and interpersonal relationships. For example, studies like "The Impact of Social Media on Intimacy and Relationship Satisfaction: A Mixed-Methods Study" (Journal of Couple & Relationship Therapy, 2020) explore how digital platforms affect romantic relationships and partner satisfaction.

Here I will provide scientific evidence and relevant viewpoints that support or refute some of the arguments presented in the text:

Work and AI: Concern about job automation due to AI is a real concern based on studies and analysis of the increasing ability of artificial intelligence to perform cognitive and routine tasks. A report from the World Economic Forum estimates that by 2025, over 85 million jobs could be displaced by automation and artificial intelligence. However, AI is also expected to create new jobs and transform the nature of work rather than simply eliminating it altogether.

Creativity and AI: Artificial intelligence has demonstrated the ability to generate creative content such as poetry, music, art, and writing. Examples like DALL-E-2 and other AI models have produced artwork and musical compositions that can be difficult to distinguish from those created by humans. Studies like the work of François Pachet, a researcher in computer-generated music, show how AI can be used to generate original and emotionally resonant music.

Death and AI: The idea of using AI to create digital representations of deceased individuals is real today, but allowing interactions with them is more in the realm of futuristic speculation than current reality. While technology is advancing in areas like virtual reality and artificial intelligence, creating realistic digital avatars of deceased individuals raises serious ethical and psychological implications that have not yet been fully addressed and can be developed in the manuscript.

Religion and AI: Reflections on AI and its relationship to religion are primarily speculative and related to the perception of reality and existence itself. The opinions of prominent figures like Elon Musk on the possibility of living in a simulation and the nature of artificial intelligence as a creative force are more rooted in philosophy and speculation than empirical science.

In summary, while the text presents a series of interesting reflections on the impact of artificial intelligence on society and humanity, many of the claims made are subject to debate and the ongoing evolution of technology and human understanding. Empirical science provides a solid foundation for understanding technological advancements and their implications, but speculation about the future and philosophical implications remain open for discussion, and this should be made clear in the manuscript.