

Review of: "Exploding AI-Generated Deepfakes and Misinformation: A Threat to Global Concern in the 21st Century"

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Potential competing interests: No potential competing interests to declare.

1. The abstract requires restructuring to eliminate the narrative tone present in the current presentation.
2. The conclusion section lacks strength. Identify potential areas of future research and open challenges in the problem domain.
3. This manuscript offers a cursory introduction to AI-generated deep fakes and misinformation, but falls short of a rigorous scientific analysis.
4. For section 7, Detection and Mitigation Techniques, it is highly recommended that the authors present a "table" of comparison of the proposed work with similar research and state-of-the-art research studied as part of the literature review. This will go a long way in emphasizing the research gaps and highlighting the specific contributions of the proposed work. Irrespective of the presented discussion, this should be done in terms of contrast and comparison of approach. The comparison table must include the used algorithm, features, dataset, online social network, and results.
5. To enhance the scientific merit of this article, the manuscript should incorporate:
 - Domain-specific data analysis: Utilize relevant datasets, visualizations, and statistical techniques to delve deeper into the characteristics and impact of deep fakes.
 - Essential figures: Visualize key findings, trends, and comparisons to effectively communicate the results.
 - Significant references: Cite established and recent research within the field to demonstrate awareness of the current landscape and provide context for your own claims.
 - Challenges and research voids: Identify critical open questions and limitations in existing research. This showcases your understanding of the field and suggests promising avenues for future exploration.