

Peer Review

# Review of: "Rethink Your Mental Model in the Age of Generative AI: A Triadic Framework for Human-AI Collaboration"

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This review article develops a comprehensive and timely framework for understanding human-AI collaboration in the age of generative models. Building on the concept of the “Jagged Frontier” introduced by Karim R. Lakhani and colleagues, it argues that large language models exhibit uneven, shifting capabilities that traditional deterministic or human-centered mental models fail to capture. The proposed Triadic Framework—spanning System, Collaboration, and Metacognitive layers—offers a structured synthesis of technical properties (e.g., probabilistic generation, opacity, drift), interaction practices (e.g., prompting, mode selection), and cognitive biases (e.g., anthropomorphism, overtrust). A key strength of the paper is its integration of empirical findings with design-oriented propositions that translate diagnosis into actionable routines. Overall, the article makes a strong conceptual contribution by reframing effective AI use not as better prompting, but as cultivating adaptive, critically calibrated mental models for hybrid intelligence.

## Declarations

**Potential competing interests:** No potential competing interests to declare.