

Peer Review

Review of: "Integrating Quantum Computing with AI: A Perspective on Time-Series Forecasting"

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A notable strength of the manuscript is its interdisciplinary approach, bridging concepts from quantum mechanics, computer science, and ethics. The discussion on the theoretical treatment of time in quantum mechanics, where time is considered a parameter rather than an observable, provides a unique perspective on modeling temporal dynamics in AI. Furthermore, the paper addresses the current limitations of quantum hardware, such as qubit stability and error rates, and emphasizes the importance of ethical considerations, including privacy and security concerns, in the development of quantum-enhanced AI technologies. While the theoretical foundations are robust, the manuscript could benefit from a more detailed examination of practical implementations and case studies that demonstrate the real-world applications of quantum-enhanced AI in time-series forecasting.

Declarations

Potential competing interests: No potential competing interests to declare.