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AI in Healthcare: Patients' Perspectives on AI-Powered Medical Assistant

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Abstract

Artificial Intelligence (AI) is a powerful tool for improving the quality of care. Hospitals and healthcare organizations are positive about promoting AI in medical practice. However, the widespread adoption of AI also depends on patients' perceptions and trust in this emerging technology. This study employs an initial trust model to assess the factors that influence patients' intention to use an AI-powered medical assistant. Through survey data analysis, this research aims to provide practical suggestions for the application of AI in future medical practices. In addition, the findings can help physicians and hospital administrators better manage the relationship between physicians, patients, and AI, and improve the quality of care for patients.

Conference Track

MIS and Business Analytics