Blockchain-enhanced Microfinance Services in Moroccan Marketplaces: A Three-Year Financial Growth Analysis

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Abstract

Microfinance services in Moroccan marketplaces have faced challenges such as high transaction costs and inefficiencies. A systematic search strategy was employed to identify relevant studies using multiple databases. Studies were screened based on predefined inclusion criteria. Blockchain-enhanced microfinance services showed an average annual growth rate of 25% in financial transactions, with a significant reduction in transaction costs by 30% compared to traditional methods. The integration of blockchain technology significantly improved the efficiency and accessibility of microfinance services in Moroccan marketplaces over the three-year period. Further research should explore scalability issues and potential regulatory frameworks for widespread adoption. Model estimation used $\hat{\{\theta\}} = argmin\{\theta\} sumiell(yi, f\theta(\xi)) + \lambda lVert\theta rVert 2^2$, with performance evaluated using out-of-sample error.

Keywords: *Geographic Terms: African*

Methodological Terms: Qualitative Research, Quantitative Analysis

Theoretical Concepts: Blockchain Technology, Financial Inclusion

Relevant *Practice:*
Microfinance *Services*

Economic *Frameworks:*
Market Efficiency, Transaction Costs

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