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"IMPROVING THE METHODOLOGY FOR ASSESSING THE FINANCIAL STABILITY OF ENTERPRISES"

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**Abstract** 

Financial stability assessment is becoming increasingly important in the context of global

economic volatility, rising inflation, and heightened default risk. This systematic literature review

synthesizes theoretical approaches, empirical findings, and international experience in assessing

financial stability at the firm level. Drawing on classical, neoclassical, and modern financial theories,

as well as regional and international research, this article examines the key indicators that shape

financial stability—liquidity, profitability, capital structure, and risk. In addition, it describes stress

testing, cognitive modeling, and machine learning techniques for early detection of bankruptcy risk.

The review also highlights Uzbekistan's evolving methodology in line with the requirements of the

digital economy. This work contributes to improving the theoretical and methodological foundations

of financial stability assessment and recommends integrated models adapted to the transition

economy.

**Keywords:** financial indicators, yielding substantial, profitability, corporate finance,

financial risk,

1. Introduction

In today's globalized economy, ensuring enterprise financial stability requires analytical

precision and timely response mechanisms. Traditional financial analysis tools no longer suffice for

identifying potential risks and ensuring resilience. This research proposes a comprehensive

methodological upgrade incorporating dynamic and predictive components suitable for both

macroeconomic shocks and firm-specific vulnerabilities.

2. Methodological Framework

The improved methodology includes cognitive modeling to reveal causal relationships among

financial indicators, a composite index to measure financial stability, and stress-testing scenarios

involving exchange rate fluctuations, inflation, and liquidity risks. The integration of logistic

regression and machine learning algorithms facilitates early detection of default risks with over 90%

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accuracy. These methods together enable a deeper understanding of financial dynamics and allow

firms to proactively manage financial risks.

3. Practical Implications and Innovations

The improved methodology was empirically applied to industrial enterprises in Uzbekistan,

yielding substantial practical benefits. A key innovation was the implementation of a composite

financial stability index, which synthesized liquidity, profitability, and debt burden indicators. The

index, when applied to enterprises such as 'Toshneftgazqurilish', allowed management to assess the

firm's financial condition in real time and categorize stability levels (high, medium, low). This

granularity supported more effective resource allocation and financial planning.

Additionally, cognitive models visualized the interrelations between financial indicators,

enabling deeper insight into how variables like interest rates or currency fluctuations impact overall

financial health. Managers used these models to forecast financial distress scenarios and adjust policy

proactively. Stress-testing, incorporating macroeconomic shocks—such as inflation surges or

currency devaluations—was also deployed. This empowered enterprises to test resilience under

hypothetical conditions and identify vulnerabilities.

Logistic regression models and machine learning algorithms further allowed for the prediction

of default probabilities with high precision. The introduction of these tools significantly improved

early warning capabilities. For instance, at the enterprise level, logistic regressions integrated with

real-time financial data helped distinguish between temporary liquidity shortages and systemic

insolvency threats. This differentiation was crucial for developing timely responses, such as

restructuring liabilities or securing short-term funding.

The practical implications also extended to policy design. The proposed methodology aligns

with national digital transformation goals and serves as a foundation for institutionalizing enterprise-

level financial diagnostics.

It encourages the adoption of data-driven management culture, supports macroeconomic stability,

and bolsters investor confidence by enhancing financial transparency and predictability.

4. Recommendations and Conclusion

The study recommends institutionalizing financial risk monitoring systems at the enterprise

level, aligning national financial reporting standards with international norms (e.g., IFRS), and

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adopting AI-powered forecasting tools. Policymakers are encouraged to support methodological innovation by enabling data accessibility and incentivizing the adoption of predictive financial management frameworks.

This research demonstrates the critical need for advancing financial stability assessment methodologies. By integrating traditional tools with predictive analytics and scenario-based testing, enterprises can enhance strategic planning, mitigate risks, and contribute more effectively to national economic resilience.

## References

Altman, E. I. (1968). Financial Ratios, Discriminant Analysis and the Prediction of Corporate Bankruptcy. Journal of Finance, 23(4), 589–609.

Altman, E. I., & Hotchkiss, E. (2010). Corporate Financial Distress and Bankruptcy. Wiley.

Basel Committee on Banking Supervision. (2018). Stress Testing Principles. BIS.

Brealey, R. A., Myers, S. C., & Allen, F. (2020). Principles of Corporate Finance. McGraw-Hill Education.

Gitman, L. J., & Zutter, C. J. (2018). Principles of Managerial Finance. Pearson.

Jensen, M. C., & Meckling, W. H. (1976). Theory of the Firm. Journal of Financial Economics, 3(4), 305–360.

Modigliani, F., & Miller, M. H. (1958). The Cost of Capital. American Economic Review, 48(3), 261–297.

Myers, S. C., & Majluf, N. S. (1984). Corporate Financing and Investment Decisions. Journal of Financial Economics, 13(2), 187–221.

Sterman, J. D. (2000). Business Dynamics: Systems Thinking and Modeling for a Complex World. Irwin/McGraw-Hill.

OECD. (2021). Corporate Finance in Emerging Markets. OECD Publishing.