

ABSTRACT

Bachelor's thesis: ___ p., ___ fig., ___ tabl., ___ applications, ___ references.

The object of the research is the process of financial analysis and business risk assessment of possible bankruptcy.

The subject of the study is to model and methods of financial analysis and forecasting of risk of bankruptcy of enterprises under uncertainty using fuzzy neural networks.

The aim of this work is the financial analysis and forecasting of risk of bankruptcies of enterprises regarding Ukraine's economy in the face of uncertainty and comparative analysis of the effectiveness of different methods: classical and fuzzy.

Theoretical and methodological basis of the study is the work of domestic and foreign scientists in the field of financial analysis and enterprises bankruptcies risk forecasting.

During the thesis was established software for computational experiments with classical and fuzzy techniques. A comparative analysis of all the methods on real data.

The methodology is implemented on the basis of well-known algorithms, using own development.

The software is implemented using the programming language Python. Recommendations for further research.

PREDICTION, ENTERPRISES BANKRUPTCY RISK, EFFICIENCY, FINANCIAL SITUATION, MACROECONOMICS, NEURAL NETWORKS