

## Review of monograph Implementation of financial and statistical models in terms of company 21. century

**Prof. Ing. CSc. Jozef Leščišin**

Faculty of management

Department of Finance and Accounting

University of Presov in Presov

Konštantínova 16, 080 01 Prešov, Slovakia

jozef.lescisin@unipo.sk

© eXclusive e-JOURNAL



Review of monograph by Ing. Sylvia Jenčová, PhD. and Mgr. Eva Litavcová, PhD. on topic: Implementation of financial and statistical models in terms of company 21. century. Brno: Tribun, s.r.o. 1.vyd. 1321s. ISBN 978-80-263-0537-8.

The monograph is the result of many years of theoretical and practical experience of the authors in this issue. Both authors are working at FM PU. Ing. S. Jenčová, PhD. at the Department of Finance and Accounting and Mgr. E. Litavcová, PhD. at the Department of Quantitative Methods and Management Informatics, where they are actively involved in both teaching and scientific research.

This monograph consists of six logically following chapters. The first chapter contains theoretical knowledge bases as well as the definition of the model and modeling. The second chapter sets out the models at the micro level and contains in details worked out analytical proposals of pyramid models and impact quantification of determining factors, causative factors on the overall

profitability of the company and the implementation of technical and financial analysis of a particular analyzed company. This chapter provides a theoretical, mathematical and graphical processing of financial models under modern methods of company performance rating, that are applicable for financial management of a company in Slovakia. The third chapter points at the implementation of selected

statistical methods, describes the problems of regression analysis and time series for the analyzed company. The fourth chapter contains issues of simulation. The dominant feature of the chapter is the design of simulation model, fully applicable for the financial management of the company. Within the simulation there are experiments, with various solution variants. The fifth chapter explains effectiveness analysis, implementation of matrix system of financial metrics and performance analysis of business entity. The sixth chapter contains examples of development predictions of selected economic variables of a specific company, using time series analysis. The data of analyzed company are processed in programs MS Excel, SPSS and STATISTICA.

At the end, the publication is complemented by a rich educational apparatus attachment in the form of tables and graphs.

This monograph is processed at a high professional level and is useful for both practitioners as well as for researchers. It is a good contribution to the scientific literature, and guarantees the scientific originality.