

Quantitative Methods in Accounting and Finance

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Quantitative Methods in Accounting and Finance

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Preface

Finance and accounting are these disciplines of economic sciences in which quantitative methods are often used: statistics, econometrics and operational research. These methods make possible the quantification of different economic occurrences and the objectivity of the estimation of these occurrences. Also important is the fact that in the accounting and financial analyses one is to deal with numerous empirical data sets.

In the study there are showed chosen problems of finance and accounting, essential for both the theory and practice. There are presented manners of the measurement and the estimation of definite economic-financial occurrences. To solve a lot of problems methods of the descriptive and mathematical statistics and multidimensional comparative analysis are used. The empirical research with the usage of these methods is also described, and what is important, from the application point of view.

The articles in the book were prepared for The Fourth Scientific Seminar: „Quantitative Methods in Accounting and Finance”. The Seminar was organized by The Cost and Management Accounting Department at the Wrocław University of Economics on May 11, 2010. Scientific workers of the Wrocław University of Economics and the Ukrainian State University of Finance and International Trade from Kiev took part in the seminar.

This book is an annual publication designed to disseminate the quantitative analysis of accounting and finance. It is a forum for statistical analyses of issues in accounting and finance as well as applications of quantitative methods to problems in management accounting, financial accounting and financial management. The objective is to promote interaction between academic research in finance and accounting applied research in the financial community and the accounting profession.

Edward Nowak