

ABSTRACT

Bachelor thesis: 108 p., 27 fig., 5 tabl., 2 appendixes, 14 sources.

Theme: Statistical methods of benchmarking in higher education of Ukraine

Object of research: non-stationary processes of pricing on the stock exchange are time series.

Objective: building mathematical models of selected exchange processes; Evaluation of forecasts; development of software to perform computational experiments.

Method of research: mathematical models and methods of analysis processes on the stock exchange.

In this project reviewed and analyzed the latest benchmarking system, which is a comparison of products, services and processes of one organization with products, services and processes of another organization. A review of some results provided with the examples of international organizations, with the use of benchmarking.

There was created an analytical system for the assessment of the results between different organizations, based on cluster analysis. The project presents the results of the analysis and prediction, using data from peer reviews, using established software.

The program is implemented with Python and is used for some examples of performance this product in real situations. There were reviewed possible ways to further improvements.

CLUSTARISATION, BENCHMARKING, RANKS OF UNIVERSITIES