

ABSTRACT

Bachelor's thesis: 114 p., 31 fig., 10 tabl., 2 appendixes, 22 sources.

The topic of the research: statistical methods of modelling using data mining.

Object of study – statistic's data related to observed processes.

Purpose of the study – statistical methods of analysing big data with purpose of making adequate models.

Purpose – chose the most suitable model for describing data.

Research method – making mathematical models choosing processes based on big data and developing statistical criterias for validating built models using data mining.

Urgency – creating system which allows to choose model based on criterias.

Results – system of choosing the most appropriate model.

The novelty of the work – a method of forecasting performance, which allows to make more informed management decisions.

The further development of the research subject – improvement of selected methods, expansion of use.

DECISION SUPPORT SYSTEMS, COMPETENCE, AUTOREGRESSION, TIME SERIES, FORECASTING.