Bachelor’s thesis:80 p., 6 tabl., 8 pictures, 3 appendices, 18 references.

Subject matter of the study: Experimental and statistics on financial and production processes described by time series analysis and require effective treatment to detect practically useful knowledge and relationships between attributes necessary for decision making in production.

Scope of the study: mathematical model simulation and forecasting time series, namely: Holt method, Theil-Veydzha, exponential smoothing. Also a subject of study is analytical decision support system EViews.

The purpose of the thesis, is to develop their own decision support system for predicting and modeling processes financial and production presented in the form of production strategy.

Results: The analysis of domestic and foreign literature on modeling and forecasting time series. Using the developed apparatus investigated the problem of production lines for souvenirs, and suggested ways to improve the situation of today.

TIME SERIES, PREDICTION, PRODUCTION STRATEGY, ANALYTICAL SYSTEMS