

ABSTRACT

Theme: “Mathematical models of high inflation in transition economy”

Thesis explanatory note: 84 p., 10 fig., 11 tabl., 3 appendices, 21 sources.

Actuality: inflation is one of the indicators of macroeconomic instability. It is factor that has a big influence on socioeconomic development of the country. Therefore, determining the level of inflation and keeping it in surface for economy is the key issue of economic policy.

The purpose of work is to study the existing mathematical models of inflation and creation suitable model for chosen time period.

The object of the research is a set of statistical data about inflation in Ukraine in 2000-2015 years.

The subject of research is a methodology of inflation modeling.

Methods: least squares method, regression analysis, correlation analysis.

Program realization was made using Eviews.

The results: proven models of inflation processes in Ukraine in 2000-2015
The model has been created for Ukrainian inflation.

INFLATION, TRANSITION, MATHEMATICAL MODEL, TIME SERIES, STATISTICS, LEAST SQUARES METHOD, MODEL ADEQUACY, REGRESSION, MODELING, EIEWS