

## ABSTRACT

Explanatory note to the diploma project: 127 p., 28 fig., 11 tabl., 4 appendices, 13 sources.

The topic: Forecasting of demographic processes in Ukraine

Object of research – indicators of demographic situation in Ukraine.

Subject of research – the dynamics of population change in Ukraine.

One of the most governing factor of well-being of any country is growth of its population. For today a demographic situation of many economically developed countries, and Ukraine particularly, has a tendency to sharp decrease. That is why this problem came into the reason of its in-depth study in the course of many years. And this graduation research is successive stage of demographic analysis.

The objective of my work is the forecasting of population size in Ukraine. Here are presented the reviews of some contemporary mathematical methods of dynamic processes descriptions, and methods of approximation and forecasting as well.

Formation of a new national strategy for human development, combined with unfavorable demographic trends of population reproduction in Ukraine determine the relevance of demographic research.

On basis of collected statistics and by means of econometric software EViews were created autoregressive models of population development and increase.

DEMOGRAPHIC SITUATION, AUTOREGRESSION, REGRESSION MODELING, FORECASTING.