

## **ABSTRACT**

Thesis: 101 p., 17 tables, 34 figures, 5 annexes and 13 sources.

**POPULATION, FORECASTING, AUTO REGRESSION,  
DEMOGRAPHIC PROCESSES.**

The object of the study is statistical data on the demographic situation in Ukraine.

The purpose of the thesis is to use a wide range of evaluation methods to conduct a quantitative and qualitative analysis of the demographic situation in Ukraine in recent years and to identify the main differences between the data of the State Statistics Service and real indicators for the period from 2014 onwards.

The paper analyzes existing models and methods of estimating the demographic situation in Ukraine, models and methods of forecasting. During the implementation of the thesis, auxiliary software was developed to calculate the values of the parameters of demographic processes. The study found that the approach to calculating the parameters of demographic processes gives results different from those provided by the State Statistics Service.

In carrying out further research it is expedient to use other methods of forecasting, and to use more parameters of demographic processes.