

STATISTICS

**THE ANALYSIS OF THE POPULATION
ECONOMIC ACTIVITY DYNAMICS IN UKRAINE
AND THE EU COUNTRIES****Ponomarenko I.V.**

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The article deals with the feasibility of a labour market comprehensive study in Ukraine. The necessity of the economic activity statistical indicators application is justified. These indicators are calculated according to the International Labour Organisation methodology. European integration vector of the Ukrainian economy is based on the system of Government administrative decisions, which are based on a complex economic analysis that explains the feasibility of a comparative analysis of trends, inherent in labour markets of the EU and Ukraine. The statistical methods' efficiency for forecasting of estimated values of economic activity quality indicators in future periods is proved. The model of exponential smoothing is used. This method takes into account the seasonal component of population employment and unemployment processes. Forecasting of employment and unemployment levels are conducted in the

package Statistica: Exponential smoothing & forecasting module. The best model parameters in a statistical package are selected automatically by using their search grid. The statistical package took over all the settings on a given grid and determined the best values based on lowest value approximation error and other criteria. The article referred to the need for continuous research and modelling of the economic activity main indicators dynamics in future periods that will respond quickly to social and economic risks, which may arise in the middle of the country and in the global economic environment. A key role in reforming national labour market should be given to raising social and economic standards of the economically active population. Using best practice of the EU legislation to promote employment for changing legislation in Ukraine will allow achieving high social standards for the national workforce.