ABSTRACTS

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DEVELOPMENT OF STATE STATISTICS IN THE COMMONWEALTH OF INDEPENDENT STATES

V. Sokolin «Pressing issues of improving statistical activities in the CIS region»

Keywords: statistics in the CIS region, regional comparisons of PPP based GDP, 2008 SNA implementation, price statistics, Global Strategy to Improve Agricultural and Rural Statistics, living standards statistics, population censuses.
JEL: A19, E01, F15, F53, O19.

The article provides descriptions of current situation and development prospects for the official statistics in the CIS region. Key issues of statistics development and their solutions in establishing an integrated statistical space as an element of generic framework for developing and reconciling social and economic policies are addressed.

QUESTIONS OF METHODOLOGY

G. Kuranov «On research of economic dynamics for forecasting purposes»

Keywords: economic time series, factors, cycles, GDP, investments, innovations, economic crises.
JEL: B41, E23, E32, N64, N22.

Recovering time series of Russian economy over a long period of time, done by a number of authors in recent years, allows one to move to solving an issue of a deeper analysis of economic dynamics and comparisons of different periods from the viewpoint of a forming consistent, transformation, replacement and other development types and substantiating factors determining them. Herewith, it is important to explain the creation of the factors themselves, from other factors' point of view, as well as taking into account the features of every development stage, cyclic waves of economic dynamics and economic policy conducted at this stage identifying the primary development sources. Methodological approaches to solving this issue are presented, along with implementation results amid the research of the dynamics of the Russian economy, with a more detailed presentation of the research results of the post-reform phase.

The author's view on transformation of the factors' structure in development period under review is presented. The possibilities for using the proposed methodology for economic forecasting purposes and directions for development of statistics to better reflect the innovation factor are characterized.

S. Levit «Non-observed economy: practice, issues and improvement directions for its measurement»

Keywords: non-observed economy (NOE), shadow economy, illegal economic activity, activity in the informal sector, household production for the own final use, GDP calculation methods, direct methods of statistical observation, methods of indirect measurement of the NOE.
JEL: C82, E01, E26.

The author summarizes his point of view on novations in the Russian methodology for measuring the NOE that was carried out after the introduction of the corresponding assessments based on the international standards' principles introduced into in the regular statistical practice in the 1990s. In the description of the methodological foundations of the NOE in Russian statistics are reviewed major stages of its evaluation and organization of the work of Rosstat adjusting GDP (calculated using three methods) on the volume of economic transactions, non observed by direct statistical methods; commented are examples of measuring parameters NOE to industry statistics, characterized by major ways of improving methods of incorporating estimates of the NOE in the calculation of macroeconomic indicators.

RESEARCH OF SOCIAL AND ECONOMIC PROCESSES

V. Zherebin, O. Alekseeva, N. Ermakova «Employment issues amidst the development of information society and capabilities of statistics in their study»

Keywords: employment, labor market structure, social consequences of informatization, information society, ICT sector.
JEL: D83, J20, Z13.

The directions of the effects of informatization on the world of work and employment are observed. Methodological principles of assessing the level of informatization are formulated by allocating and determining the parameters of the sector of information and communication technologies, including employment rates and the share contribution of the sector to the GDP. The article presents estimates of the characteristics of the ICT sector in the Russian economy over the recent years. it is concluded that in the aggregate impact of different directions on the labor market informatization processes have not led to a reduction in employment.

E. Ryumina «Ecological factor of human development»

Keywords: human development index (HDI), ecologically adjusted GDP, rent income, economic damage from ecological disturbances.
JEL: E01, O44, O47, Q51, Q56.

It is the author's opinion that, now ecological and resource factors aren't reflected in any way in a human development index though they are the bright characteristic of labor activity of the people. Article explains the need to consider ecologically adjusted or «green» GDP, rather than traditional indicator of the gross domestic product when assessing HDI. Examples of calculating HDI on the basis of ecologically adjusted GRP for the Russian regions are given. It is shown that for raw regions HDI considerably decreases at such modification of its calculation procedure.

*V. Mkhitarian, S. Mihailova «**Statistical research of factors determining income of the pension system of the Russian Federation**»*

Keywords: pension system, factors of development of the pension system, compulsory pension insurance, income of the pension system, territorial differentiation of income of the pension system.
JEL: C25, G28, H55.

In this article factors influencing the state and development of the pension system of the country are defined. Analysis of the structure and dynamics of the income of the state pension fund, including distribution of contributions to compulsory pension insurance by regions of the Russian Federation is carried out. Multidimensional classification of regions by aggregated factors defining the level of pension system revenues is proposed.

STATISTICS AND EDUCATION

*O. Bashina, V. Minashkin «**Statistical education amid the sixth technological mode - challenges and development perspectives**»*

Keywords: statistics, statistical education, human capital, experts' potential, government strategy in education, motivation.
JEL: A11, A12, A20, I25, J24.

The article analyses the new role of statistics and statistical education during the transition to the sixth technological mode. Current tasks and development directions for human capital on the basis of quasi-hyperbolic distribution of «quantity-quality professionals» are discussed. The results of the implementation of the above mentioned approach are in defining the contemporary challenges in education.

*O. Andreeva, L. Zubova «**Information sources and statistical analysis of vocational education and training at the workplace**»*

Keywords: continuous professional education and training (CVT), CVT types and forms, Rosstat statistical observations, sociological surveys of employers and workers, financing and prevalence of CVT at the workplace.
JEL: A20, A29, I25.

The world experience testifies to the growing role of the continuous development of professional skills and competencies of workers employed in the economy. Recently, in Russia more attention is given to these issues, however, the system of information and analytical support of the process of continuous vocational education and training (CVT) at the workplace is still just being formed. The article presents the current system of information sources; results of analysis of statistical data, with emphasis on financing issues and inclusion of workers in the CVT process are presented.

INTERNATIONAL COMPARISONS

*K. Gyulumyan, M. Klupt «**Crisis, recession and social development: cross-country analysis**»*

Keywords: international comparisons, social development, crisis, index of crisis passage, recession, Eurozone, Russia.
JEL: E24, O15, P52.

A method for estimating the quality of the pre-crisis economic social development is suggested. In this evaluation, the pre-crisis growth rates of human development index, that is not associated with income, were adjusted using the constructed integral index of crisis passage by the authors. A comparative analysis of the economic quality of the pre-crisis social development and impact of the crisis on Russia, «Crisis 4» countries (Greece, Ireland, Spain, Portugal) and world's largest economies.

*M. Arkhipova, E. Karpov «**Statistical analysis and forecasting of indicators of patent activity in Russia and a number of developed countries**»*

Keywords: patent statistics, Rospatent, patent on invention, patent application, cluster analysis, discriminate function analysis, growth curves.
JEL: C13, C38, C53.

In this article modern development trends in the world patent market are examined on the basis of data on issuing patents, the role of Russia in the global patent activity is assessed. Homogeneous groups of countries by indicators of patent and scientific activity are allocated using multivariate classification. Forecast of patenting inventions by the world's leading patent offices and Rospatent that allowed to assess prospects and main development directions of the world patent market is developed.

Information on authors

Sokolin V. (sokolin@cisstat.org) - *Chairman, Interstate Statistical Committee of the Commonwealth of Independent States (CIS).*

Kuranov G. (kuranov@economy.gov.ru) - *Kandidat Nauk, Economics; Honored Economist of the Russian Federation; Leading Expert, Ministry of Economic Development of the Russian Federation.*

Levit S. (Levit@gks.ru) - *Deputy Director, Department of National Accounts, Federal State Statistics Service (Rosstat).*

Zherebin V. (ivir22@yandex.ru) - *Doctor Nauk, Economics; Professor, Chief Researcher, Institute of Social and Economic Studies of Population, Russian Academy of Sciences.*

Alekseeva O. (alekseeva_oa@list.ru) - *Kandidat Nauk, Economics; Senior Researcher, Institute of Social and Economic Studies of Population, Russian Academy of Sciences.*

Ermakova N. (ermakova31032@mail.ru) - *Kandidat Nauk, Economics; Senior Researcher, Institute of Social and Economic Studies of Population, Russian Academy of Sciences.*

Ryumina E. (ryum50@mail.ru) - *Doctor Nauk, Economics; Professor, Chief Researcher, Institute of Social and Economic Studies of Population, Russian Academy of Sciences.*

Mkhitarian V. (vmkhitarian@hse.ru) - *Doctor Nauk, Economics; Professor, School Head, School of Statistics, Data Analysis and Demography, National Research University «Higher School of Economics».*

Mihailova S. (ssmihailova@rambler.ru) - *Kandidat Nauk, Economics, Docent; Macroeconomics, Economic Information and Statistics Department, East Siberia State University of Technology and Management.*

Bashina O. (OEBashina@mesi.ru) - *Doctor Nauk, Economics; Professor, Provost for Research and Innovation Activities, Moscow State University of Economics, Statistics and Informatics (MESI).*

Minashkin V. (Vminashkin@mesi.ru) - *Doctor Nauk, Economics; Professor, Provost for Academic Affairs, Moscow State University of Economics, Statistics and Informatics (MESI).*

Andreeva O. (olgamos1@yandex.ru) - *Senior Researcher, Institute of Social Policy, Academy of Labor and Social Relations.*

Zubova L. (lzubova2012@yandex.ru) - *Kandidat Nauk, Economics; Deputy Director, Institute of Social Policy, Academy of Labor and Social Relations.*

Gyulumyan K. (Gyulumyan.k@mail.ru) - *Post-graduate Student, Department of Statistics and Econometrics, Saint-Petersburg State Economic University.*

Klupt M. (klupt@mail.ru) - *Doctor Nauk, Economics; Professor; Dean, Department of Humanities; Professor, Department of Statistics and Econometrics, Saint-Petersburg State Economic University.*

Arkhipova M. (archipova@yandex.ru) - *Doctor Nauk, Economics; Professor; Subdepartment of Statistical Methods, Higher School of Economics - National Research University.*

Karpov E. (letzteprobleme@gmail.com) - *Post-graduate Student, Chair of Mathematical Statistics and Econometrics, The Moscow State University of Economics, Statistics and Informatics (MESI).*

Karmanov M. (MKarmanov@mesi.ru) - *Doctor Nauk, Economics; Professor, Head, Department of Social and Economic Statistics, Moscow State University of Economics, Statistics and Informatics (MESI).*

Savinova T. (savinova30@yandex.ru) - *Kandidat Nauk, Economics; Leading Expert, Personal Funds Department, Russian State Archive of Economy; Research Associate, Faculty of Economics, Lomonosov Moscow State University.*

Zav`yalov F. (zav@econom.uniyar.ac.ru) - *Doctor Nauk, Economics; Professor, Department of World Economy and Statistics, P.G. Demidov Yaroslavl State University.*