



## Importance of New Techniques and Statistics in Making Economics Teaching Effectiveness

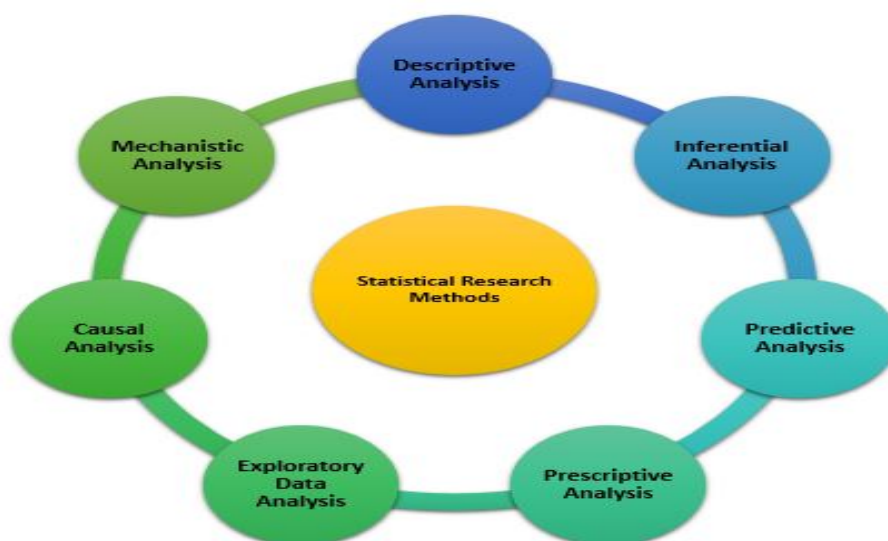
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### Abstract

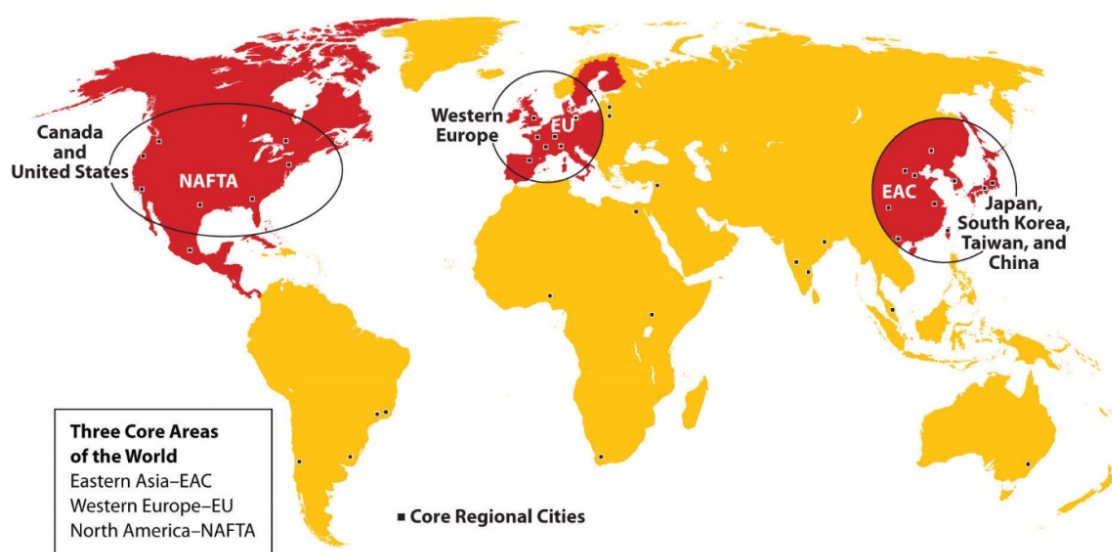
In this presented research paper, the aim is to present the findings by examining the effectiveness of the use of statistics and new technologies in teaching economics. In today's world, the growing discussion about the role of "Information and Communication Technology" (ICT) in teaching statistical systems and innovative educational techniques for economic information needs to be further broadened to teach statistical systems and innovative educational techniques in current economics. The increasing role of access to information management is important in the economic development of various countries. New educational technologies according to the global economy include examples of ICT "information and communication technologies" and statistical software, useful Internet resources, and video lecture materials that influence the economic and social life of citizens at different levels of the economic system.

**Keywords:** Global economy, economics and statistics, statistical systems, information and communication technologies (ICT), innovative technologies, economics teaching.



## Introduction - (Formulation of the problem)

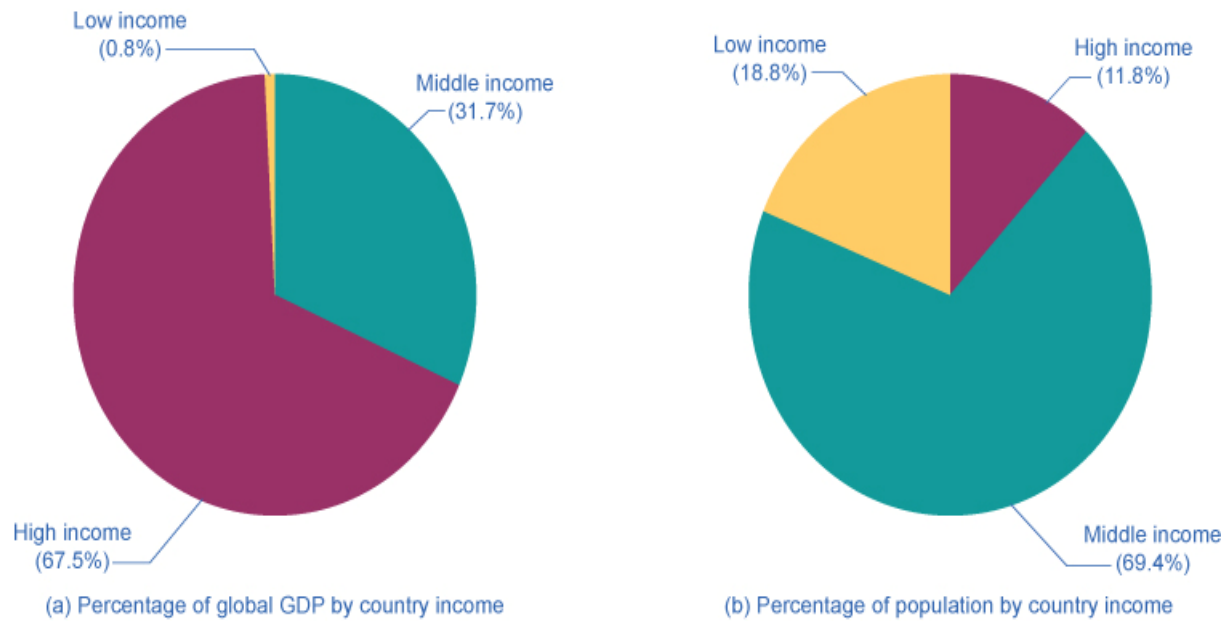
Globalization of the economy and economic relations are related to social issues that affect the lives of citizens at different levels of the economic system. Furthermore, statistical studies from different countries can only be compared to an appropriate "statistical picture" of the world. At the same time, today in the world of interstate integration, when information is vital for management, the availability of such information on the economic development of other countries makes it possible, to determine the statistical picture of the world's place and role in the international system. Countries which are based on economic relations between countries at different levels.



## Comparison in the global economy

Comparison in the global economy and comparison of statistical indicators is one of the main tasks of development in the current statistical system, the method of handling data, and observational practice, especially micro. Training and consulting support of statisticians by international standards is the main priority, of modern The statistical and leading role of economic and business education makes this possible, statistics work in leading universities -

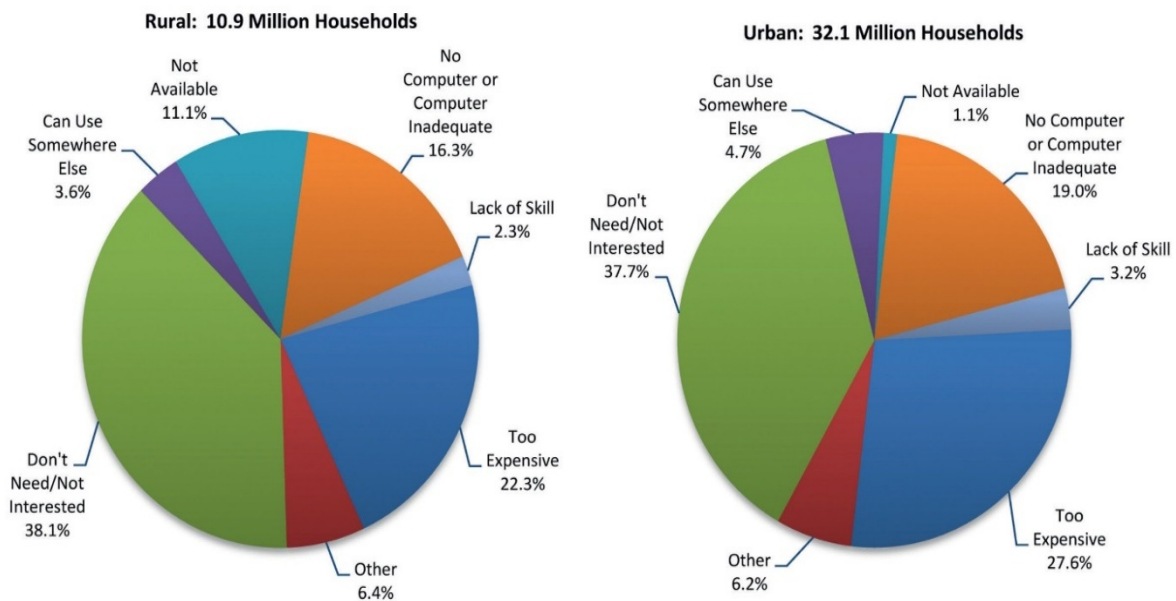
The United States, Great Britain, Germany, France, and many other higher education institutions in the EU countries make this possible. For all EU countries, training for official statistics in a master's program is implemented by expert bodies - the European Masters in Official Statistics, also note that in Japanese schools, the United States, Switzerland, India, and Kenya, Statistical methodology is a curriculum based on economics, probability theory and mathematics in Botswana and the rest of the world.



### Statistical data affecting the lives of citizens

Statistical statistics simplifies the tasks of higher education, statistics is the basis for making decisions at various levels of the economic system, affecting the lives of citizens at various levels of the economic system, data obtained as a result of statistical research, especially economic from data, and both public and private can serve-

- 1) The modern period is characterized by a significant flow of existing information and information processing tools.
- 2) Existing information is required, which can be used for macroeconomic calculations across data and cross-data as well as microdata.

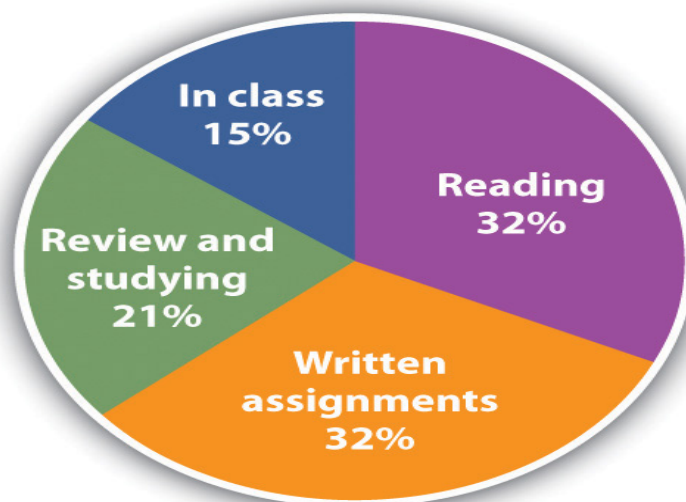


## Economics and statistical subjects

Statistics as a "global discipline" is based on what scientists have done - all over the world, to develop the discipline in the context of new ones as well as to raise awareness of the unprecedented challenges associated with this era. Also to consider is the dynamic nature of public and individual understanding, so economic and statistical topics are important.

Several statistical fields such as globalization or statistics, and nanotechnology have emerged recently. As a result, over the past decade, statistical research has developed methods of collecting, processing, and disseminating contact data, sustainable development statistics, integrated economic statistics, and eco-economic accounting, bearing a rational picture of human economic dynamics.

### Academic Activity



## Statistical Discipline and Planned Economy

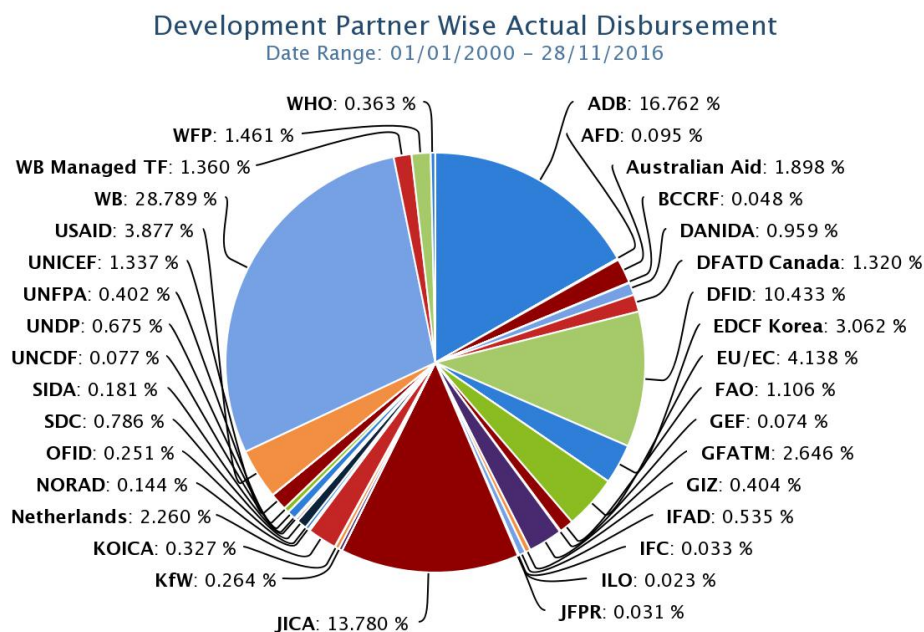
The statistical discipline represents a planned economy for a market, it is the subject of discussion by experts, so the features of substantial progress of economics, macro statistical description models, and analysis of multi-structural systems for modern market and institutional all experts. Represent new beliefs. The article aims to analyze the key technological disciplines of economic and statistical teaching (statistics education), as well as the experience of implementing innovation, which represents statistics within the technology discipline, in the educational process.

## Research results

The importance of studying international statistics is universal because it allows you to communicate financially. International statistics is a branch of economic data that deals with the comparison and analysis of -Statistical indicators of countries, and the world social system, and the international main task in it is statistics to achieve national economic equality.

## National Data and International Development

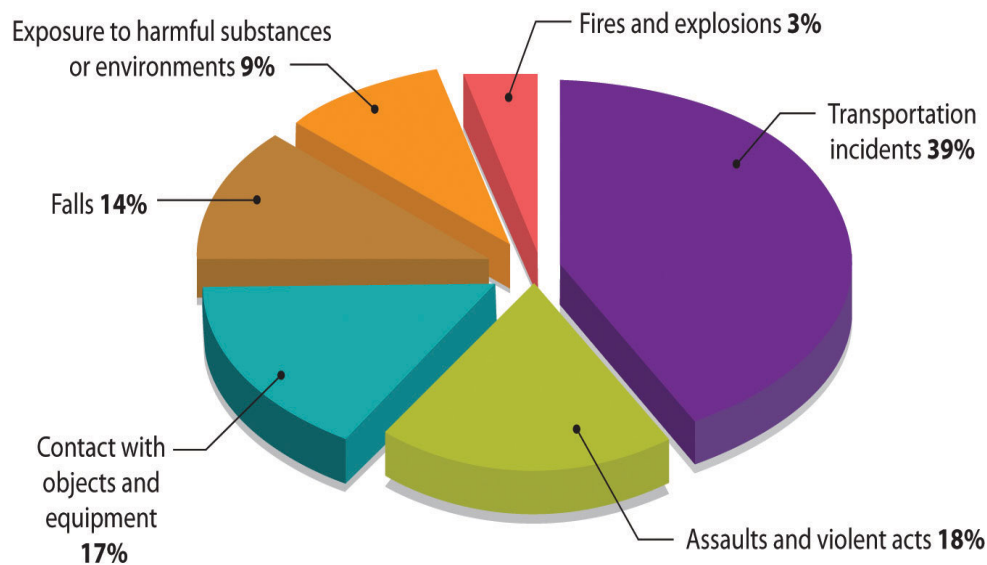
Collection, development, and publication of economic statistics of the country and the world based on statistical standards (classification, system of indicators, methodological provisions, etc.), as well as developed international recommendations. International statistics are based on the modern Western theory of socio-economic phenomena. The quantitative side and the processes taking place in different countries are studied in their inseparable relationship with the qualitative side.



### The important part of “Topic International Statistics” covers the following issues

- a) General characteristics and differentiation of the principles of organization of data of various international organizations,
- b) Methodology of bringing indicators to comparability based on international standards
- c) Methods of collecting, processing, and analyzing statistical data depending on the objectives of the study,
- d) Application of modern information technologies in international statistical computations, e-methods of international data used to solve specific problems (economic and statistical analysis of the development of individual countries in the global economy). Analysis of research on the problems of the international economy shows that the compilation and grouping of information allows one to obtain a certain system of indicators, the source of which is further analyzed. Methods from the general theory of statistics are also used. Relative values are often calculated, expressing volumes and levels of phenomena along with absolute indicators, including-
  - Relative values of dynamics, which characterize the direction of change of phenomena in time and measure the rate of change (for example, growth rates and increases in the number of labor migrants),

- Relative values of comparison, showing two or more similar ratios for the same period, relating to different items (e.g., number of unemployed by country).
- The relative values of coordinates characterize the ratio of different elements of the same population (for example, the ratio of the number of employees in the economy).

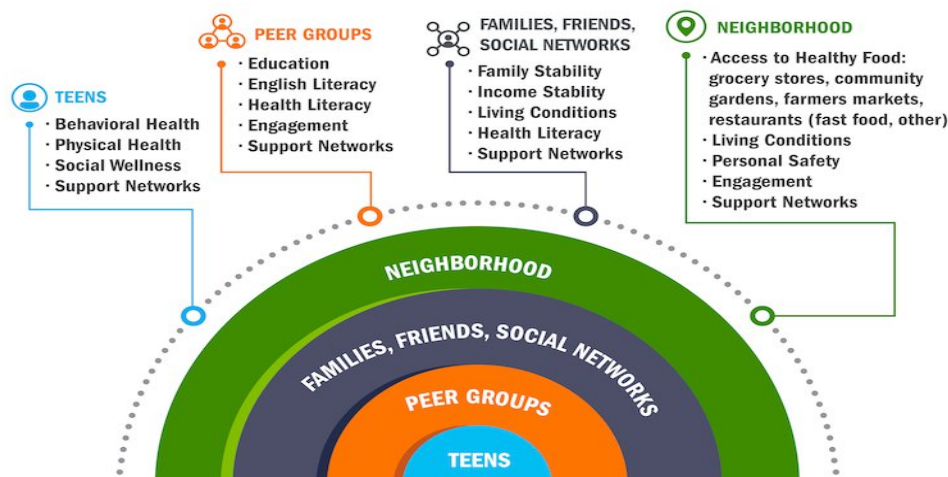


### **In the study-related stages, the study of data is differentiated based on educational tasks**

In the first and second years of the bachelor's degree, the student participates in search and cognitive activities due to the content of the study subjects in the form of search and selection of information. In the third year, research activities have a cognitive-analytical orientation and involve the selection and analysis of the information obtained. Master PG level, the student's research work is more creative and involves not only a simple analysis of information but also its interpretation in the context of solving professional problems.

The purpose of the second level course is to train an able specialist, adequately and at minimal cost, to independently organize and conduct the necessary statistical research in real conditions, taking into account the problems and peculiarities of the organization of international statistics. Is. Such a specialist should also have an idea of international systems for the collection, storage, and statistical analysis of information relevant to the country's economy. Relevant courses are based on first-level basic knowledge and are included in the Master's curriculum.

From the project point of view in the framework of the new educational process, the role of the student changes, from becoming an active participant in the educational process, who uses statistical techniques regarding a particular situation, to the use of higher statistical techniques in the analysis. Specific economic data require additional theoretical development. This is because the economist works with significant amounts of information, so he needs not only to know his professional field of activity but also to have skills and practical experience in working with IT technologies.



## Conclusion

We believe that the development of technologies for teaching economic and statistical subjects should be based on an interdisciplinary competency-based approach. Considered the formation of a methodological approach to the teaching of statistical disciplines as a fundamental form of knowledge of mathematics, statistics, and computer technology, international methodology of statistical research, and statistical methods of collecting, processing, and analyzing economic information. , With extensive statistical research, modeling, and prediction of social phenomena and processes, methods of mathematical modeling, and forecasting of the most important indicators, the article shows that in recent years, the use of modern electronic programs and technologies for memory processing has been done.

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