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**Example of article formatting**

UDC 311.21:[330.567.28:004.73](477)

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**STATISTICAL ANALYSIS OF TRENDS OF FOREIGN ECONOMIC  
ACTIVITY OF UKRAINE: ICT SECTOR**

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The article is devoted to the statistical analysis of the trends of foreign economic activity of Ukraine, in particular, the ICT sector. The study identifies and analyzes the most complete and reliable source of world trade statistics – the database of UN Comtrade Database, on the basis of which the foreign trade of the most developed countries of the world and Ukraine in the groups of products and services of the ICT sector is investigated. According to the results of the study, the main changes of the data elements and functions of the UN Comtrade Database have been identified and described.

The analysis of the state of the information society started from the formation of the information base of the Ukrainian trade in services of the ICT services on the basis of Extended Balance of Payments Services (EBOPS), which are related to the specified sector. The collected data analyzed the trade balance of Ukraine in the main types of ICT services exported from Ukraine and imported into Ukraine, as well as the dynamics of export and import of ICT services in Ukraine for 2000-2017, and the corresponding diagrams for visual analysis were constructed. Using the UN Comtrade Database, the annual data on the cost of foreign trade in goods of ICT in Ukraine in 2010-2017 by the codes of the HS 2012 Harmonized Goods Description and Coding System and EBIT 2002 services by ICT were obtained and analyzed.

According to the results of the survey, it was found that during the entire period under investigation the trend of increasing the volumes of both export and import of ICT products was noted,



although in both cases this tendency was not stable. The negative factors influencing on the development of foreign trade in goods and services of ICT were: unfavorable conditions of external risks for domestic producers, insufficient level of competitiveness of their products, low activity of regions in the foreign market, imperfection of the commodity structure of exports and imports. In further research for the main components of export and import of ICT products, it is expedient to analyze monthly information and build appropriate forecasts.

**Keywords:** foreign trade activity, export, import, trade balance, goods of ICT, ICT services.

**JEL Classification:** E000; O1; J2.

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## **СТАТИСТИЧНИЙ АНАЛІЗ ТЕНДЕНЦІЙ ЗОВНІШНЬОЕКОНОМІЧНОЇ ДІЯЛЬНОСТІ УКРАЇНИ: СЕКТОР ІКТ**

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Стаття присвячена проведенню статистичного аналізу тенденцій зовнішньоекономічної діяльності України, зокрема, сектору ІКТ. У ході дослідження визначено та проаналізовано найбільш повне і достовірне джерело світової торговельної статистики – базу даних UN Comtrade Database, на основі якої досліджено зовнішню торгівлю найбільш розвинених країн світу та України за групами товарів і послуг сектору ІКТ. За результатами проведеного дослідження визначено й викладено основні зміни елементів даних та функції UN Comtrade Database.

Проведення аналізу стану інформаційного суспільства було розпочато з формування інформаційної бази торгівлі України послугами ІКТ на основі Розширеної класифікації послуг EBOPS (Extended Balance of Payments Services classification), які стосуються означеного сектору. За зібраними даними проаналізовано торговельний баланс України за основними видами послуг ІКТ, експортованими з України та імпортованими в Україну, а також динаміку експорту та імпорту послуг сектору ІКТ в Україні за 2000-2017 рр. й побудовано відповідні діаграми для візуального аналізу. Із використанням UN Comtrade Database отримані й проаналізовані річні дані про вартість зовнішньої торгівлі товарами ІКТ в Україні в 2010-2017 рр. за кодами

Гармонізованої системи опису та кодування товарів HS 2012 та послугами ІКТ за EBOPS 2002.

За результатами проведеного дослідження встановлено, що протягом всього досліджуваного періоду відмічалась тенденція нарощування обсягів як експорту, так і імпорту продукції ІКТ, хоча в обох випадках ця тенденція не була стабільною. До негативних факторів, що впливають на розвиток зовнішньої торгівлі товарами та послугами ІКТ, було віднесено: несприятливу кон'юнктуру зовнішніх ризиків для вітчизняних виробників, недостатній рівень конкурентоспроможності їхньої продукції, низький рівень активності регіонів на зовнішньому ринку, недосконалість товарної структури експорту та імпорту. У подальших дослідженнях для основних складових експорту та імпорту продукції ІКТ доцільно проаналізувати місячну інформацію та побудувати відповідні прогнози.

**Ключові слова:** зовнішньоекономічна діяльність, експорт, імпорт, торговельний баланс, товари ІКТ, послуги ІКТ.

**JEL Classification:** E000; O1; J2.

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## **INTRODUCTION.**

## **LITERATURE REVIEW.**

**RESEARCH METHODOLOGY.** During the calculation we apply the method from the article by B. Samorodov and O. Kalinina (Самородов & Калініна, 2014)<sup>1</sup>.

## **MAIN RESULTS.**

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<sup>1</sup> «Розрахунки будемо проводити за детермінованим та ймовірнісним варіантами. Ймовірнісний варіант розрахунку дозволить визначити довірчий варіант відхилень від фактичних значень для найгірших та найкращих умов розвитку. Для цього варіанту приймемо ймовірність 80 %, таким чином коефіцієнт для мінімального значення буде дорівнювати 0,87, для максимального – 1,13. Умовою внутрішньої стійкості банку є покриття кредитних вкладень їх джерелами коштів, зовнішньої – покриття основних засобів та інших необоротних активів їх джерелами.» (Самородов & Калініна, 2014).

## Example of tables and figures formatting

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Table 1. Ukraine's ranking positions according to the components of the Global Competitiveness Index

Indicator	Years				
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
The quality of the education system as a whole	56	62	70	79	72
The state of higher and professional education	46	51	47	43	40
Quality of education in management, business	108	116	117	115	88

Source: compiled by the author according to the data of The Global Competitiveness Report<sup>1</sup>

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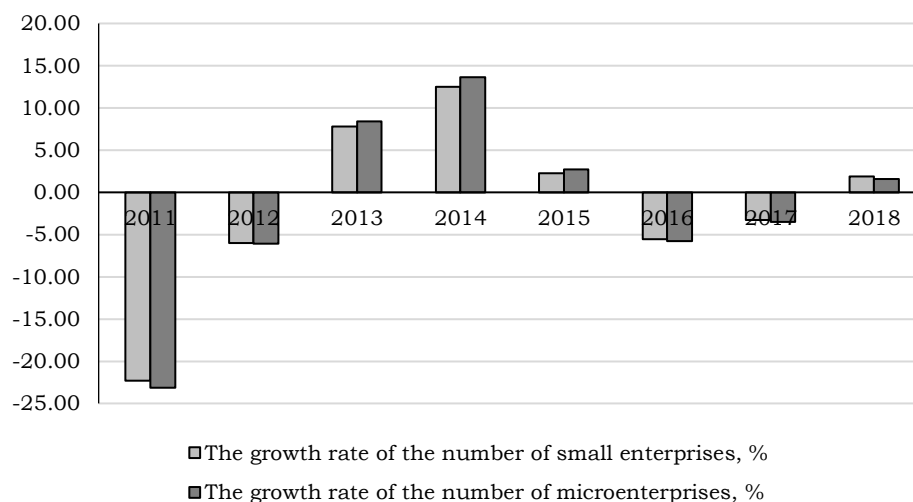


Fig. 1. The growth rate of the number of small and microenterprises in 2011-2018

Source: built by the author according to the data (State Statistics Service of Ukraine, 2020)

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<sup>1</sup> Schwab, K. (2015). The Global Competitiveness Report 2015–2016. Geneva: World Economic Forum. Retrieved from [http://www3.weforum.org/docs/gcr/2015-2016/Global\\_Competitiveness\\_Report\\_2015-2016.pdf](http://www3.weforum.org/docs/gcr/2015-2016/Global_Competitiveness_Report_2015-2016.pdf).

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## CONCLUSION.

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