

Multivariate Analysis of Export and Import Activities in the Area of International Trade of Ukraine with India and Foreign Countries

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Abstract

The article focuses on monitoring Ukraine's export-import activities in the field of international trade of Ukraine with India and countries of the world; on characteristics of foreign trade activity and the realisation of the export-import potential of Ukraine, which reveals geographical directions of commodity flows and their dynamics. Significant losses of Ukraine's export-oriented industries were investigated, and a severe shortage of raw materials due to the occupation of the Autonomous Republic of Crimea, separate territories of Donetsk and Luhansk regions, which provided the lion's share of the country's export orientation, was assessed. A multivariate analysis of the export-import potential in the sphere of international trade was carried out on the basis of ataxonomy method, in which a taxonomic index of the level of development of Ukraine's export-import activities was calculated. The application of an analytical approach to assessing the volumes and indicators of financial results of export-import activities, which, unlike the existing approaches, makes it possible to comprehensively analyse the state of the indicators of the national economy development and compare them with the current situation in the international trade market as a whole.

I. Introduction

IN TODAY'S WORLD economy, foreign economic activity is an important factor affecting the dynamics and structure of the national economy. Due to the development of world trade, trends in this field, rules and technologies, there is impetus for the development of not only the national economy, but

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References

- Dasgupta, N., (2009), "Examining the long run effects of export, import and fdi inflows on the FDI outflows from India: a Causality Analysis", *Journal of International Business and Economy*, Vol. 10, No. 1, pp. 65-88
- Frumkin, N., (1984), "Guide to Economic Indicators, M.E. Sharp", New York, USA, pp. 163
- Gopal, R., (2006), "Export Import Procedures - Documentation and Logistics", New Age International Limited Publisher, New Delhi, India, pp. 242
- Gribincea, A., I. Kozak, (2012), "Economic international relationships", Chisina: CEP-USM, 2012, pp. 338 ?
- Hsiao, S.T., W. Hsiao, Mei-Chu, (2006), "FDI, exports, and GDP in East and Southeast Asia-Panel data versus time-series causality analyses", *Journal of Asian Economics*, Vol. 17, No. 6, pp. 1082-1106
- IER, (2014), "Edited by Yuriy Kozak, Temur Shengelia", Tbilisi, Publishing House "Universal", pp. 224
- Ilyash O., (2020), "Evaluation of enterprise investment attractiveness under circumstances of economic development", *Bulletin of Geography, Socio-economic Series*, Vol. 47, No. 47, pp. 95-113
- Ilyash, O., D. Doroshkevych, and J. Dacenko, (2019), "Change of export and import commodity flows of Ukraine in international trade as a result of the Russian occupation", *Investment: Practice and Experience*, Vol. 8. pp. 11-18
- Ivashchenko, M.V., (2016), "Consequences of globalization of commodity markets for the national economy of Ukraine", *The Trajectory of Science, Electronic Scientific Journal*, Vol. 4, No. 9, pp. 231-237
- Kalashnik, M., (2014), "Methodological approaches of analysis and evaluation of the regional transformation dynamics under the influence of FEA", Proceedings of Scientific Works of Cherkasy State Technological University, Series Economic Sciences, Vol. 36, pp. 171-177
- Kaliuzhna, N., (2017), "External trade of Ukraine: research methodology", *Foreign Trade: Economics, Finance, Law*, Vol. 1, pp. 16-31
- Kim, S., H. Lim and D. Park, (2007), "The Effect of Imports and Exports on Total Factor Productivity in Korea", The Research Institute of Economy, Trade and Industry, Discussion Paper Series, pp. 41
- Kohli, U., (2004), "Real GDP, real domestic income, and terms-of-trade changes", *Journal of International Economics*, Vol. 62, No. 1, pp. 83-106
- Kuzenko, O., (2014), "A taxonomic analysis of the financial security of financial relations entities at the macro level", *Bulletin of the Economy of Transport and Industry*, Vol. 47, pp. 184-190
- Malyarets, L., M. Draškovi, N. Proskurnina, O. Dorokhov and V. Vovk, (2018), "Analytical support for forming the strategy of export-import activity development of enterprises in Ukraine", *Problems and Perspectives in Management*, Vol. 3, pp. 423-431
- Neumayer, E., (1999), "The ISEW: Not an Index of Sustainable Economic Welfare", *Social Indicators Research*, Vol. 48, No. 1, pp. 77-101

Osatskaya Yu. E., V.V. Tikhonova and L.V. Tsurkan, (2016), "Features of development of foreign trade of Ukraine in the conditions of globalization", *Economic Space*, Vol. 105, pp. 14 - 22

Ostasz A., Ilyash O. and Dzhadan I.,(2018), "The influence of the industry's innovation activities indices on the industrial products' revenue of Ukraine", *Economics and Sociology*, Vol. 11, No. 4, pp. 317-331

Plyuta, V.S., (1980), "The comparative multidimensional analysis in economic researches: methods of taxonomy and factorial analysis: scientific editor Zhukovsky VM. Moscow", *Statistika*

Sergiienko, L., K. Polyak, T. Poverlyak, A. Cherchata, I. Andriushchenko, and O. Zhyliakova, (2020), "Application of taxonomic analysis in assessing the level of enterprise development in emergency situations", *Management Science Letters*, Vol. 10, No. 6, pp. 1329-1340

Tunitska, Yu. M., (2015), "Problems of development of foreign trade in goods in Ukraine", *Theoretical and Practical aspects of Economics and Intellectual Property*, Vol. 3, No. 12, pp. 20 - 25

Vasylytsiv, T., R. Lupak and Yu. Osadchuk, (2017), "Assessment of the level of penetration of import dependence in the context of the import substitution policy in Ukraine", *Economic Annals-XXI*, Vol. 167, No. 9-10, pp. 13-17

Velnampy, T., and S. Achchuthan, (2013), "Export, Import and Economic Growth: Evidence from Sri Lanka", *Journal of Economics and Sustainable Development*, Vol. 4, No. 9, pp. 147-155

Yuriy, Kozak and Tadeusz Sporek, "Essentials of International Economics: Questions and Answers, (2014)", CUL, Kiev-Katowice, pp. 223