The Manifestation of the Effects of Digitization in Different Types of Regions

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Keywords: differentiation; regions with diversified economies; regions based on the mining industry; manufacturing-based regions; levels of digitalization; digital transformation; digitalization effect.

Abstract: The socio-economic development of Russian regions is characterized by significant differentiation, which is also inherent in digitalization processes. The purpose of this work is to reveal the manifestation of the effects of digitalization in regions of different types: with a diversified economy, an economy based on the manufacturing and mining industries. The effects of digitalization refer to the positive impact of digitalization on the economy of the region. The information base for the study was data from the Monitoring of the Development of the Information Society in the Russian Federation. The study carried out a quantitative analysis of indicators characterizing the levels of digitalization, determined their average values and the range of variation. Statistical data was analyzed during 2017 – 2022. The choice of the time range is due to the fact that in 2017 the Russian Government approved the "Digital Economy of the Russian Federation" program, which can be considered the start of an active digital transformation of the Russian economy. The article identifies trends and defines prospects for digital transformation in regions of different types. The authors determined the composition of leading regions and outsider regions in terms of indicators of the primary and secondary level of digitalization, and identified the reasons causing the leadership and lag of specific regions. The study made it possible to assert that at the level of the regional economy, the processes of diversification and digitalization are closely interconnected. It is substantiated that digitalization in regions relying on the manufacturing industry is proceeding at a faster pace compared to regions with a diversified economy and relying on the mining industry. The manifestations of digitalization effects in different types of regions identified during the study should be taken into account in the course of the digital transformation policy, which is currently being actively implemented in the Russian Federation.