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Evaluation of regional infrastructure

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Abstract

An infrastructure development level has a significant impact on the economy of a region as a whole, especially in the territorial and sectoral organization of production. The purpose of the study is to identify problems in the infrastructure of regions, and to develop the ranking of regions. The object of the study were 85 administrative regions of the Russian Federation. To assess the infrastructure of the regions there has been developed a technique that includes 8 blocks uniting 37 socio-economic indicators characterizing the level of logistics, transport, social, financial, investment, innovation, energy and telecommunications infrastructure availability. Application of linear scaling method has allowed comparison of data by regions and calculate the integral index of infrastructure availability on the basis of which we can determine the extent of disadvantages of one region from another. The ranking of the entities of the Russian Federation under the calculated integral index of infrastructure availability will allow identifying regions with high, medium and low value of the indicator. The testing of the developed methodology for comparison regions in terms of infrastructure development level has revealed problem areas in subjects in the sphere of creation and development of infrastructure in terms of attracting manufacturing companies to their territory. Results of the study showed that there is considerable differentiation of entities of the Russian Federation by the level of infrastructure availability what must be considered when developing a territorial development programs. The proposed method of estimation of infrastructure availability can be the basis for drawing up a regional ranking by the level of infrastructure availability and investment attractiveness.

Keywords

Development of regions, Infrastructure availability, Linear scaling method, Regional infrastructure, Russian economy