

**Название публикации:**

Clusterization of regional labor markets in Russia using Kohonen maps

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**Аннотация:**

The relevance of this study is determined by the need to group the Russian regions according to the level of labor market depressiveness. The purpose of this article is to test the methodology for determining the depressiveness of the labor market (as a case study of Russian regions using statistical data for 2010- 2016), followed by clusterization on the basis of Kohonen maps. The leading method of the research is the clusterization of regional labor markets based on self-organizing Kohonen maps applying the methods of modeling socio-economic indicators, as well as methods for statistical processing and analysis of quantitative results. The research results: Clusterization of Russian regions was carried out for 2010-2016 on the basis of the revealed interrelations of seven indicators (employment rate; overall unemployment rate (according to the ILO methodology); average job search duration; percentage of job seekers searching for a job for 12 months; average nominal monthly wages; labor market tension index, the region's socio-economic development rating). The specifics of the methodology for determining clusters using Kohonen maps is based on the identification of internal interrelationships of a large array of statistical information determining the depressiveness of regional labor markets. The significance of the study: The research showed the adequacy of the methodology for clustering regional labor markets proposed by the authors in terms of the level of depressiveness. The findings can be used to formulate and implement a regional employment policy. This method allows for constant monitoring of the situation in the labor markets; and shaping the state employment policy in the regions promptly and flexibly.

**Ключевые слова:**

Clusterization, Kohonen maps, regional labor markets, Regions' depressiveness