EXPLORATORY SPATIAL ANALYSIS OF HEALTH INDICATORS IN TURKEY

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Abstract - The aim of the paper is to investigate the health indicators of cities in Turkey. For this purpose, the similarities and differences of infant mortality rate, life expectancy at birth, number of applications per doctor, satisfication rate with health status, and satisfication rate with public health services are analyzed with exploratory spatial data analysis techniques. After the pattern of health indicators are put forward by map, it is examined the spatial contiguity by using Moran scatterplot. And also, the spatial interaction is determined on provinces by using local indicators of spatial association. According to the findings of this study, there is both global spatial autocorrelation and local spatial autocorrelation in the distribution of health indicators. In other words, there is spatial dependence among the health indicators of provinces.

Keywords - Exploratory Spatial Data Analysis, Health, Spatial Autocorrelation.