

The theme: “Research of recreation places opening rationality depending on region using econometric methods”

Diploma work: 90 p., 14 fig., 15 tabl., 2 appendixes, 10 bibliographic references.

The object of the study – data with spatial effects.

The subject of the study – applying spatial econometric methods for exploration of data from Foursquare.com.

The purpose of the study - the subject of study analysis and the effectiveness of using spatial econometric methods examination in problems of clusterization and recommendation.

The methods of the study – spatial autocorrelation detection methods and spatial autoregressive models.

The relevance of the study – recommendation is the leading task of business. A lot of big companies use modern methods, but others suffer from lack of such instruments. So it is necessary to explore correct methods for solving problem of starting business in different locations.

The results of the study – It was explored spatial dependencies in data about existing of venues. Also it was estimated number of venues in different categories in locations of Kyiv City. And then conclusions were drawn about where is rational to open new venues.

Further improvements of the study – the most interesting area of further research includes the study of other regressors, which are also important, extension of evaluation criteria of a model and aggregation of different research methods.

SPATIAL AUTOCORRELATION, WEIGHT MATRIX, SAR, SEM, MORAN'S I INDEX