

## Research Experience Letter

1. Description of the project:  
(Describe main goals and idea of the project)

The main goal of the project prepared as part of completing the course: Spatial Econometrics, was to examine the degree of uniformity of the location availability of Carrefour's shops for Warsaw citizens. To achieve this we used information about population distribution from the Census, and the localisation of all 243 stores. Based on this data we divided the capital's area for every store using Voronoi's tessellation. For newly created areas we counted spatial statistics like the population in every territory, average distance weighted by population and Moran statistics. We used this data to create maps that graphically illustrated our results. In the result, we showed that citizens of Wesoła district, incorporated into the city in the 2002 year, experience the biggest problems with accessibility.

2. Nature of the candidate's participation in the project:  
(Describe your position and responsibilities in the project)

In this project, I cooperated with student's from a Master degree in Warsaw University - [redacted]. In my responsibility was to take care of the methodological and programming side of the project. Using data from Geostatistics Portal I got the data about population distribution. Based on that in programming language R I prepared many maps of Warsaw: with population distribution, with Carrefour's shop distribution, after the Voronoi's tessellation and others.

3. Data and supervisor function of the project:  
(title, name and surname of your supervisor(s), name of the University and the department or name of the company and department/section.)

[redacted]  
University of Warsaw Faculty of Economic Sciences, Supervisor

4. Confirmation by the project supervisor(s) with the signature / stamp of the data contained  
(Signature of the same person(s) mentioned at point 3.)

[redacted]  
Date

[redacted]  
Stamp and signature of the supervisor