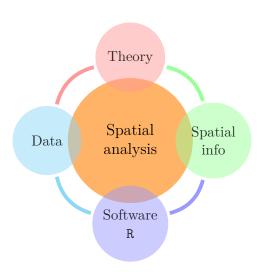
#### Introduction to Spatial Analysis

#### Tomáš Formánek

Seminar held at: Universidad del País Vasco, Bilbao, 2019

# Spatial analysis



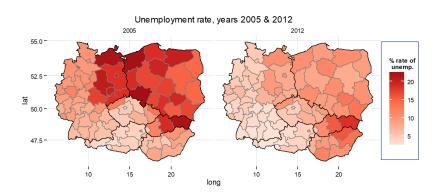
## Spatial analysis

Spatial statistics, Theory spatial econometrics, assumptions & models. Macro/micro economics, Data socio-demographics, ecology, & other fields. Syntax, libraries, data handling, R. plotting, model estimation. Maps, spatial polygons, Spatial spatial coordinates, info (specific type of data).

## Spatial analysis

- Choropleth maps (info maps)
- Spatial statistics (semivariogram)
- Interpolation (inverse distance weights, krigging)
- Spatial dependency tests
- Spatial econometrics (cross-sectional, panel data, semiparametric).

#### Spatial analysis - choropleth maps



## Spatial analysis - Seminar

- Day 1
  - Focused on R, data manipulation & spatial data

- Day 2
  - Theory (spatial statistics, interpolation, spatial econometrics)
  - Even more R