

## Spatial Data in Economics

This course aims to provide an introduction into ArcGIS, python 2.7 and spatial data for Economists.

In particular, we will cover the tools and data sources necessary to work with spatial data to achieve identification for interesting economic questions. At completion of the courses, the student should be able to conduct her own research using spatial methods and present the results in a presentation and research paper.

### Format:

MSc lecture plus seminar. 12 ECTS points: Exam type: presentation and research paper

Limited enrollment.

### Lecture dates:

25. April: 8-12 pm (sharp)

26. April: 8-12 pm (sharp)

2. May: 8-12 pm (sharp)

3. May: 8-12 pm (sharp)

8. May: 8-12 pm (sharp)

9. May: 8-12 pm (sharp)

As ArcGIS and Python are quite difficult to program and work with, extensive repetition by the student at home and in the PC Pool will be required in order to follow the course successfully.

### Other dates:

Presentation: Late-June, tba

Research Paper: Mid-August, tba

### Recommended reads are:

Nunn&Wantchekon (2011): The Slave Trade and the Origins of Mistrust in Africa

Dell (2010): The Persistent Effects of Peru's Mining Mita

Rogall (2018): Mobilizing the Masses for Genocide (<https://economics.ubc.ca/faculty-and-staff/thorsten-rogall/>)

The course will closely follow Masayuki's great course on GIS but cover topics much more rapidly: <https://sites.google.com/site/mkudamatsu/gis>