

Spatial Demography - Concepts, Spatial Statistics, GIS and Cartographic Techniques

19 October - 30 October 2015

Moscow (Skolkovo), Russia, New Economic School

Instructor: Dr. Sebastian Klüsener

Detailed course curriculum

Daily schedule:

10:00 – 11:30 first session, room 3.26.2

11:30 – 12:00 break

12:00 – 13:30 second session, room 3.26.2

14:00 – 15:00 individual consultations, room 1.05

Time	Theme
19 October	
10.00 – 11.15	Introduction
11.15 – 11.45	Regional differences in mortality in Russia (Sergey Timonin)
12.00 – 13.30	Introduction to R (optional)
21 October	
10.00 – 11.30	Introduction to Spatial Data and the Spatial Libraries of R
12.00 – 13.30	Thematic Cartography in R I
23 October	
10.00 – 11.30	Basic Principles and Challenges of Spatial Analysis
12.00 – 13.30	Descriptive and Explorative Methods
26 October	
10.00 – 11.30	Introduction to Spatial Modeling I
12.00 – 13.30	Introduction to Spatial Modeling II
28 October	
10.00 – 13.30	Thematic Cartography in R II
12.00 – 13.30	Multi-Level Analysis with Individual and Contextual Data
30 October	
10.00 – 11.30	Combined Analysis of Raster, Point and Vector Data
12.00 – 13.30	Simulation Approaches in Spatial Analysis & Outlook
13-30 – 14.00	Hard points. Course close