



UNIVERSITY OF TRENTO - Italy
Department of Economics and Management

2nd Trento Winter School in Spatial Statistics and Econometrics

4-7 December 2013

Program

1st day: 13.30-18.30

Spatial Econometrics I - Roberto Basile

Topics:

- An introduction to applied spatial econometrics
- Spatial econometrics: model specification and interpretation
- Estimation techniques
- Diagnostics and model selection
- Using R software for spatial econometric analysis

2nd day: 09.30-13.00 - 14.30-18.30

Spatial Econometrics II - Roberto Basile

Topics:

- Using R software for spatial econometric analysis
- Spatial dependence in panel data models
- (Spatially) varying parameters models
- Using R software for estimation

3rd day: 09.30-13.00 - 14.30-18.30

Spatial Statistics - Diego Giuliani

Topics:

- Types of data in spatial statistics
- Sources of spatial data
- The analysis of spatial location of economic agents using micro-geographic data

Part 1: Introduction

Part 2: Exploratory methods for stationary point patterns.

Part 3: Exploratory methods for non-stationary point patterns.

Part 4: Exploratory methods for marked point patterns.

Part 5: Exploratory methods for space-time point patterns.

4th day: 09.30-13.00

Exploratory Analysis Of Spatial Data With Stata (with Applications) - Maurizio Pisati

Topics:

- Spatial Data Management
- Visualizing Spatial Data
- Exploring Spatial Point Patterns
- Detecting Spatial Autocorrelation
- Using Stata software for visualizing and analyzing spatial data

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