



UNIVERSITY
OF TRENTO - Italy

Department of Mathematics
Department of Economics and Management



unibz

Fakultät für Wirtschaftswissenschaften
Facoltà di Economia
Faculty of Economics and Management

R

Reaction

R: Economics in Action

Trento, September 5th - 8th 2017

Polo Scientifico Tecnologico
"Fabio Ferrari" - Povo

Aims of the School

Increasing amounts of data are becoming more and more easily available in all areas of life and can be used to answer questions that were not possible just a couple of decades ago. In economics and social sciences, statistical models such as Generalized Linear Models and Autoregressive Moving Average Models and related methods have become very popular and widely used in the academia as well as in public and private institutions for analyzing both macro- and microeconomic data sets.

The goals of **R: Economics in Action** are to offer courses covering a wide range of topics in macro- and microeconometrics. The courses have the following objectives:

- To provide students with knowledge of a set of modern methods necessary for empirical research in macro- and microeconometrics.
- To present a variety of empirical applications.
- To survey some of the recent developments.

During this summer school the participants will have the opportunity to learn technical skills: programming with R, package building procedures, automatic reporting and advanced graphics for the visualization of high-dimensional/complex data and statistical skills: linear models and their generalizations as well as linear and nonlinear time series analysis for the analysis of macro- and microeconomic data with complex structures, nonstationary behavior, and possibly large dimension.

The school will focus on R, a standard environment for statistical data analysis. In virtue of its large community of users and their continuous contribution to improve the system R covers an enormous amount of statistical procedures in a wide range of applications. In addition to being a statistics system, R is also a full-featured and flexible programming language with support for both low-level standard programming tasks and high-level support of graphics and reporting. In combination, R is a powerful environment for both routine and specialized modeling, e.g., in economics or financial forecasting.

There will be also special sessions on R package presentations by the researchers of the Euregio region.

Who will benefit from this Summer School?

- Master and PhD students who want to extend their knowledge and learn more about the analysis of economics data.
- Researchers and practitioners working with macro- and microeconomic data in private and public institutions whose work would benefit from a course focused on the latest advances in fields.

There are no formal pre-requisites but understanding of elementary statistical procedures could be of help.

The School is organized with the support of EUREGIO, hence for students from this area fees are waived and they are eligible for travel and accommodation support.

The EUREGIO regions are: Tirolo, Alto Adige and Trentino.

Scientific Program

5th September 2017 - starts at 13:30

- 0.1 - Welcome session
- 0.2 - Introduction to R: Basic concepts and refreshment
- 0.3 - R packages presentation

6th September 2017

- 1.1 - Programming with data and package building
- 1.2 - Automatic reporting and advanced graphics
- 1.3 - R packages presentation

7th September 2017

- 2.1 - Linear models and extensions
- 2.2 - Analysis of microeconomic data

8th September 2017 - ends at 18:00

- 3.1 - Linear and nonlinear time series analysis
- 3.2 - Analysis of macroeconomic data

Important Dates

Registration starts 8/05/2017

Acceptance communication starts 8/06/2017

Registration Fees

Students from Euregio: no fees

Students not in Euregio: 150 euro

Academic: 150 euro

Non academic: 300 euro

Registration fees include material, coffee breaks and dinners.

Students from Euregio are also eligible for travel and accommodation support.

Scientific and Organizing Committee

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Contacts

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Information

<http://events.unitn.it/en/reaction2017>



Euregio Mobility Fund 2016/2017