Introductory Quantitative Research Methods

Introductory Quantitative Research Methods is a course mainly aimed at students with no prior knowledge of statistics. The course provides basic statistical concepts and methods, emphasizing the principles of data collection and analysis rather than theory. Practical exercises are an integral component of the course and are intended at getting the students familiar with the use of a popular statistical package (Stata). Topics to be addressed in the introductory quantitative methods course include:

- Graphical and numerical summaries to describe the distribution of a variable and the relationship between two variables;
- Data collection and management;
- Concepts of probability and probability distribution;
- Statistical inference and hypotheses testing;
- The univariate and multivariate linear regression models.

The course will be taught by the course convenors Dr. Masood Gheasi and Dr. Daniele Mantegazzi. The course is compulsory.