



Crash Course in Statistics for Sociological Research

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Dipartimento di Sociologia e Ricerca Sociale - via Verdi 26

Date	Time	Topic	Room
17/09/2018	14:00-18:00	Introduction: Research Questions and Statistics Types of variables Descriptive univariate analysis: centrality, dispersion and shape	Aula 6
18/09/2018	11:00-13:00 14:00-17:00	Probability distributions, random variables, sample and population Inferential statistics (introduction): from the sample to the population, the sample mean and the standard error of the sample mean, the Central Limit Theorem Confidence intervals, significance tests for a mean and a proportion, exercises	Aula 6
20/09/2018	11:00-13:00 14:00-16:00	Bivariate statistics: comparison of two groups, contingency tables	Sala Riunioni II p.
21/09/2018	11:00-13:00 14:00-17:00	Bivariate statistics: independence (chi-squared test), correlation Multivariate analysis: introducing a third variable	Aula 11
24/09/2018	14:00-16:00	Summary, Q & A, and exercises	Aula 11

Why this crash course and for whom?

The crash course is thought for (future) students of the MA program in Sociology and Social Research. It will provide the necessary basics in statistics for the mandatory courses of the first year for those who previously had no or little training on the topic during their BA studies.

The participation is not mandatory but strongly recommended in particular to all the students who do not have an adequate statistical background (including inferential statistics and multivariate reasoning).

The participation to the crash course does not require the enrollment in the MA program in Sociology and Social Research. No credits are provided for attending the course.

For further information: stefani.scherer@unitn.it (instructor of the course on quantitative methods), enrico.rettore@unitn.it (MA study director), gabriele.mari@unitn.it (instructor of the crash course).

Aims:

This short course gives an introduction to the necessary theoretical and methodological elements to understand and correctly employ statistical analyses in social science research. By using various examples from the social sciences, the course helps students to critically analyze survey data and to correctly interpret the results, both from a statistical and a substantial point of view. During the course, students will have the opportunity to carry out exercises coming from social survey data.

How to enroll: on-line here <http://www.sociologia.unitn.it/100/seminari-di-credito> until **September 12, 2018** (no more than 20 students admitted)