COURSE SYLLABUS

Techniques of Quantitative Data Analysis

2021-2-E4001N083

Learning objectives

The course aims at offering a systematic introduction to the quantitative analysis of social phenomena, defined as the empirical analysis of phenomena regarding the functioning of human societies, based on the scientific method and the use of mathematical tools.

Contents

The course offers a systematic introduction to the quantitative analysis of social phenomena.

Detailed program

The course offers a systematic introduction to the following topics: univariate analysis of qualitative and quantitative variables, analysis of two-dimensional contingency tables, simple linear regression, elementary causal analysis.

Prerequisites

Enrolling students are requested to possess the basic notions of mathematics, statistics and methodology of the social sciences.

Teaching methods

Standard lectures.

During the Covid-19 emergency period, lectures will be held exclusively in asynchronous distance mode and videos of the lectures will be made available on the e-learning page of the course.

Assessment methods

The examination can be carried out in two ways.

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Textbooks and Reading Materials

Corbetta, P., Gasperoni, G. e Pisati M., *Statistica per la ricerca sociale*, il Mulino, Bologna, 2001 (capitoli 1-7).