



UNIVERSITÀ DEGLI STUDI
DI CAGLIARI



Dipartimento di Pedagogia, Psicologia, Filosofia

**CASUAL INFERENCE AND THE DESIGN OF EXPERIMENTS
IN EDUCATIONAL SCIENCES
May 15th – 19th 2023**

**Department of Pedagogy, Psychology, Philosophy
University of Cagliari - Via Is Mirrionis 1**

Instructor

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Abstract

The course aims at developing participants' knowledge about counterfactual impact evaluation and participants' skills to choose and apply appropriate techniques for answering causal questions using randomized controlled trials and quasi-experimental designs. Their application will be illustrated through examples and real data of experiments in social sciences, mainly in educational research. The course will alternate presentations and practical sessions to give participants the opportunity to practice the skills acquired. The course will employ R studio for the analyses.

When

The course will be held May 15-19 from 9:00 to 13:00.

Requirements

The course is open to PhD students, students of "Scuola di Specializzazione in Psicologia della Salute", and researchers in the field of educational and psychological sciences. It is necessary to have attended a basic statistics course or have experience in data analysis as well as a good knowledge of English language. It is preferable to have at least a basic knowledge of R to follow the practical sessions of the course.

Applications

The course is limited in number of eligible students (about 6-7 participants). Applications must be sent through the following form by **April 30**: <https://forms.office.com/e/Xksn3ZnbaT>. If the applications exceed the maximum number, they will be evaluated based on the following criteria: position, favoring young researchers and PhD students; knowledge of the English language, knowledge of inferential statistics and R software.

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