

Prof. Dr. Benedetto Lepori,  
*Università della Svizzera italiana*

Dr. Barbara Antonioli  
Mantegazzini, *Università della Svizzera italiana*

Nataljia Todorovic, Ph.d.  
candidate, *Università della Svizzera italiana*

Massimo Caprari, research  
assistant, *Università della Svizzera italiana*

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 RISIS2 EU Project

**Online course** managed by the  
Università della Svizzera italiana.

The course will include three main  
types of activities:

- Reading assignments to the participants to prepare the course.
- On line lectures presenting the main concepts and applications of multi-level models.
- Group exercises where participants will run Multilevel Modelling on different datasets, interpret the results and present them to the whole course.

**Cost and Fees:** No registration fees to be paid by European Participants.

**Contact person:**

Barbara Antonioli Mantegazzini,  
Ph.D. [barbara.antonioli@usi.ch](mailto:barbara.antonioli@usi.ch)

**DEADLINE FOR REGISTRATION**

**9<sup>th</sup> of October 2020**

# RISIS



RESEARCH INFRASTRUCTURE FOR SCIENCE  
AND INNOVATION POLICY STUDIES



## METHODOLOGICAL COURSE

Applications of multi-level  
models to research policy  
and higher education  
studies

19<sup>th</sup> of October 2020  
and  
26<sup>th</sup> of October 2020



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## COURSE OBJECTIVES

- Introduction of basic concepts and rationales of multilevel analysis.
- Understanding the applicability of the method, specifically to datasets in research policy and higher education studies.
- Know and practice the basic steps for conducting analysis with statistical software.
- Developing competence in interpreting results and driving implications for analysis and policy.

## PROGRAM AND CONTENTS

### DAY 1 – 19<sup>th</sup> of October

#### **Morning**

9:00-09:15 Introduction to Webinar Course

09:15-10:00 Lecture: Conceptual bases of Multilevel Modelling (Barbara Antonioli Mantegazzini)

10:30-11:00 Lecture: Multilevel Modelling with STATA. Several examples (Barbara Antonioli Mantegazzini)

#### **Afternoon**

13:30-14:15 Lecture: Applications of Multilevel Modelling in Research Policy and Higher Education (Benedetto Lepori)

14:30 – 15:00 Introduction to Group Exercise and Group Planning Session

### DAY 2 – 26<sup>th</sup> of October

#### **Morning**

9:00-11:45 Group Presentations

12:00-12:30 Closing Remarks and Recap (Benedetto Lepori)

A midweek virtual meeting/appointment will be scheduled to help and support in the group exercises.

## AUDIENCE TARGETED

The course aims at involving participants among the following categories:

- Senior scientist, early career researchers
- PhD students at the last phase of their training
- People from the policy making level wishing to extend their analytical capabilities
- Research intermediaries (e.g. research association like Science Europe).

## REQUIREMENT FOR PARTICIPATION

Basic requisite for admission will be:

- Specific interest to Multilevel Modelling.
- Knowledge of basic principle of statistics, as well as of standard regression techniques (OLS).
- Good working knowledge of statistical software (Stata).