ORGANIZATIONAL DETAILS

- The course is free of charge
- Venue of the trainees (travel and accommodation) will be covered only in case of researchers, early researchers and PhDs coming from European countries
- No costs are covered for people not involved in research activities (i.e. people from intermediaries or policy level)
- Participants will be selected on the basis of interest and CV
- Notification of acceptance will be sent after the selection process is completed

Participants attending the course will be asked to send some preliminary questions about their experience with multi-level modelling and specific policy questions of interest to them

Venue
Università della Svizzera italiana
Via Buffi 13
6904 Lugano, Switzerland

Start date
January 8, 2015, 9.30 AM

End date
January 9, 2015, 16.00 PM

Deadline for request participation
November 30, 2014

RISIS
Research infrastructure for research and innovation policy studies

SEVENTH FRAMEWORK PROGRAMME

Università della Svizzera italiana
Facoltà di scienze economiche

LOCAL ORGANIZING COMMITTEE
Dr. Anne-Marie Jeannet, Dr. Benedetto Lepori

Contact person: Dr. Anne-Marie Jeannet
(annemarie.jeannet@unibocconi.it)

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

Short Course

January 8-9, 2015

RISIS
Research infrastructure for research and innovation policy studies

SEVENTH FRAMEWORK PROGRAMME

Applications of multi-level models to research policy and higher education studies
Università della Svizzera italiana, Lugano, Switzerland - January 8-9, 2015

RISIS
Research infrastructure for research and innovation policy studies

SEVENTH FRAMEWORK PROGRAMME

COURSE OBJECTIVES

This multilevel short course is aimed at providing an introduction to multi-level modeling as a research method for RISIS researchers and give them the tools to apply the method to their work. The course in divided into a statistical teaching of the method as well as an guided application through a practical group exercise. The former part focuses on the rationale for multi-level modeling and how it can be applied to research in the field the higher education. The latter part allows for a hands-on guidance with using the technique with RISIS datasets and allows for participants apply it to different settings and discuss the interpretation of the results and its limitations.

Multilevel modeling gives researchers substantial leverage in overcoming the usual problems associated with either ignoring multiple levels of data or combining them.

The inherent structure of higher education and research policy data makes it well suited for multi-level modeling. For instance, researchers tend to be nested into laboratories within universities or in comparative analysis universities are nested into countries. In order to demonstrate the analytical value for the research policy field, the course will include demonstrations and practical exercises done with datasets available in RISIS.

PROGRAMME AND CONTENTS

Day 1 - January 8, 2015

9:30-10:00
Introduction

10:00-11:30
Conceptual bases of Multilevel Modeling

11:30-12:30
Applications of Multi-level Modeling in Research Policy and Higher Education

14:00-15:00
Multilevel Modeling with STATA

15:00-15:30
Introduction to Group Exercise and Group Planning Session

16.00 – 18.00
First session group work

Day 2 - January 9, 2015

9:00-12:00
Second session group work

13:00-15:00
Group Presentations

15:00-16:00
Closing Remarks and Recap

AUDIENCE TARGETED

The course aims at involving up to 15 participants among the following categories:

- Senior scientist, early career researchers and 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)

REQUIREMENTS FOR PARTICIPATION

- Basic working knowledge of STATA
- Basic knoweldge of econometrics (statistical inference, linear regressions)

This course is part of the Training Activities of the RISIS Project (http://www.ceris.cnr.it - "News" section)