Associazione Italiana di Psicologia

Applied Psychology Measurement Lab www.apsym.it APsyM Group

Misurazione e Ricerca in Psicologia Applicata
Università degli Studi di Verona

APPLICATION FORM

Multilevel modeling:
from simple direct cross-level effects to mediation models
Blended COURSE, 4 - 6 September 2023

Aims and topics

Methodological challenges for human science research scientists grow day by day and ask them to grow their knowledge on this field. Multilevel studies are among the challenges. This course aims to develop participants' skills in multilevel modelling using SPSS and Mplus. Participants will be able to design multilevel studies within the field of Work and Organizational Psychology, analyze multilevel data, and interpret the results obtained appropriately.
This is an in-person course will be also live-streamed online. Regarding teaching methods, it will combine instructor presentations and explanations, analysis of published studies, and practical exercises with real data.
The course will be open to national and international PhD students and Faculty members in need to improve their analytic skills in the area of multilevel analysis. It will be organized in two and a half days including 5 working sessions. Basic knowledge in multiple regression is required.

Contents:

The main contents of the course are as follows:

- The Logic Underlying Multilevel (ML) Modeling Methods
- The consequences of disregarding the nested structure of data
- Types of effects and parameters
- Basic Multilevel Models
    - The baseline model with random intercepts
    - The one-way ANCOVA model with random effects
    - The random-coefficients regression model
    - The intercepts-as-outcomes model
    - The intercepts-and-slopes-as-outcomes model
- Estimation using SPSS and Mplus
- Sample Size Recommendations for Estimating Basic Multilevel Models
- More Complex Models and Effects in ML modeling
    - ML mediation models
        - The 2-2-1 multilevel mediation model
        - The 2-1-1 multilevel mediation model
        - The 1-1-1 multilevel mediation model
- Estimation using SPSS and MPLUS and Mplus
- Sample Size Recommendations for Estimating More Complex Models

International Lecturer: Prof. Vicente González-Romá, University of Valencia, Spain

Tutoring staff: prof. Margherita Pasini, prof. Margherita Brondino, University of Verona, Italy

Organizational details

Participants should have on their computer / laptop SPSS and the demo version of Mplus. (Downloadable at: https://www.statmodel.com/).

Location: Classroom 11-ground floor, Baffi building, Faculty of Economics, Law and Political science, located in Street Sant'Ignazio, number 72, Cagliari.

Fees:

- **Senior Aip Member*** euro 160 (online) euro 130 (in presence)
- **Junior Aip Member*** euro 120 (online) euro 100 (in presence)
- **Senior Non Aip Member** euro 250 (online) euro 200 (in presence)
- **Junior Non Aip Member** euro 150 (online) euro 120 (in presence)

Free for PhD students of the Phd School in Arts and Humanities, University of Verona (max 5participants)
Free for members of the APsyM Lab, University of Verona (max 2 participants)

**Senior AIP members are all faculty members. Junior AIP members are PhD students and post-doc fellows. For more information contact us using the following e-mail.*

Application:

The applications will be selected on specific requirements, considering the overall number of participants. **DEADLINE: 15th of JULY 2023**.
To apply fill in the form and send it to aip.psiorganizzazioni@gmail.com with the object "application for the Multilevel Modeling course".

Selection criteria for applications

Participants' selection by the scientific committee will be based on three criteria:

a) **Career**. Priority to younger researchers (PhD students, research fellows and post doc, temporary assistant professors, researcher with tenure);
b) **Research area**. Priority to researchers who work on organizational psychology topics;
c) **Researchers' university**. The selection will try to facilitate the participation of the greater number of universities (Doctoral schools and Departments).

Scientific Committee

Margherita Brondino, University of Verona
Dina Guglielmi, University of Bologna
Margherita Pasini, University of Verona

Organizer Committee

Margherita Brondino, University of Verona
Guendalina Graffigna, Catholic University of the Sacred Hearth of Milan
Amelia Manuti, University of Bari
The summer school is organized in collaboration with the University of Verona