

APPLICATION FORM

Multilevel modeling:

from simple direct cross-level effects to complex moderated mediation models

ONLINE COURSE, 13 - 17 JULY 2020

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, with a special emphasis on Mplus programming and advanced modeling. 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.

The course will be live-streamed online. Regarding teaching methods, it will combine instructor presentations, reading and analysis of published studies in the morning and autonomous practical exercises in the afternoon.

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 sections:

- half-day preparatory statistical course to give the basic understanding on the statistical packages Mplus and SPSS and on the required basic statistics to attend effectively the second section;
- 4-day course on Multilevel Modeling (lesson in the morning and autonomous practice in the afternoon).

Contents:

The main contents of the course are as follows:

- The Logic Underlying Multilevel (ML) Modeling Methods
- Types of effects and parameters
- Basic Multilevel Models
 - The baseline model with random intercepts
 - The random-coefficients regression model
 - The intercepts-as-outcomes model
 - The intercepts-and-slopes-as-outcomes model
- 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
 - Other ML mediation models
 - ML moderated mediation models
- Sample Size Recommendations for Estimating More Complex Models

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

Teaching and tutoring staff: prof. Margherita Pasini, dr. 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/>).

Fees:

Senior AIP members*: euro 160 (AIP membership fee for non-members: euro 100)

Junior AIP members*: euro 100 (AIP membership fee for non-members: euro 30)

Free for PhD students of the Human Science PhD school, University of Verona (max 5 participants)

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, taking into account the overall number of participants. DEADLINE: 31st of MAY 2020.

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 Heart of Milan

Monica Molino, University of Turin