

Short Courses in Padova, Italy, July 1-6, 2019 - Two Sessions, Four Course Options

Hosted by the [Department of Economics and Management](#) at the *University of Padova*

Session 1: July 1-3 | Session 2: July 4-6



Short Course Sessions and Groupings



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We offer two sessions which allows course participants the opportunity to take two back-to-back courses that complement one another. All courses in a session are taught concurrently, so a participant can take only one course per session.

Session 1	Session 2
Monday July 1 (all day), Tuesday July 2 (all day), and Wed. July 3 (half day)	Thursday July 4 (all day), Friday July 5 (all day), and Sat. July 6 (half day)
<ol style="list-style-type: none">1. “Intermediate Regression: Multivariate/Logistic, Mediation/Moderation” - Dr. Ron Landis, Illinois Institute of Technology2. “Questionnaire Design” - Dr. Lisa Lambert, Oklahoma State University	<ol style="list-style-type: none">1. “Introduction to Structural Equation Methods” - Dr. Robert Vandenberg, University of Georgia2. “Introduction to Multilevel/Longitudinal Analysis” - Dr. Paul Bliese, University of South Carolina

Complementary CARMA Workshop: Basics of R

This four-hour Workshop provides information on the package R to prepare attendees for follow-up training in CARMA Short Courses that use R. By attending this workshop, participants will learn basic skills for using the R Studio interface to load and activate R packages, import and manage data, and create and execute syntax. Having these basic skills will allow Short Course participants to more easily learn about use of R for data analysis and will enable Short Course instructors to better plan and deliver their content. This Workshop is only available to those who will be attending one of the CARMA Short Courses to be held at the University of Padova

(July 1-6, 2019), it will be offered in person for Session II, July 3 from 1-5 pm, and it will also be available on-line for Session I and II. There is no separate registration fee for this workshop.

During this Basics of R Workshop, attendees will learn:

1. Using R through the R Studio interface
2. Importing data into R
3. R data sets (a.k.a data frames and tibbles)
4. Data types
5. Subsetting columns of data and selecting cases
6. Recoding data and dealing with missing data
7. Merging data (columns and rows)
8. Output objects
9. User defined functions
10. Getting help

Session I: July 1-3, Two Course Options

Choose one of the following two course options to attend during Session I.

Option #1: “Intermediate Regression: Multivariate/Logistic, Mediation/Moderation”

- [Dr. Ron Landis, Illinois Institute of Technology](#)

Course Description

This short course will begin with a brief review of linear regression, followed by consideration of advanced topics including multivariate regression, use of polynomial regression, logistic regression, and the general linear model. We will pay particular attention to using regression to test models involving mediation and moderation. For all topics, examples will be discussed, and assignments completed using either data provided by the instructor or by the short course participants.

Required Software: R or SPSS

Option #2: “Questionnaire Design” – [Dr. Lisa Lambert, Oklahoma State University](#)

Course Description

This workshop will help you develop and execute your data collection. Topics include designing your project (selecting variables and scales, sampling requirements) with a special emphasis on revising/creating new scales (scale development procedures, validation techniques). We will also review procedures for assessing construct validity (EFA/CFA) and focus on how to design your questionnaire to obtain high quality data. Finally, procedures for managing your data collection and for cleaning your data (missing data, outliers, identifying careless responders). There will be opportunities to advance our own project within the workshop.



Session II: July 4-6, Two Course Options

Option #1: “Introduction to Structural Equation Methods” – [Dr. Robert Vandenberg, University of Georgia](#)

Course Description

This introductory course requires no previous knowledge of structural equation modeling (SEM), but participants should possess a strong understanding of regression. I will use R LAVAAN package in my examples. You need to have R installed with LAVAAN package on your computer, and you also need to have a very strong understanding about the data handling functions using R. There is not enough workshop time to go through R basics, and to assist you in installing LAVAAN. The course will start with an overview of the principals underlying SEM. Subsequently, we move into measurement model evaluation including confirmatory factor analysis (CFA). Time will be spent on interpreting the parameter estimates and comparing competing measurement models for correlated constructs. We will then move onto path model evaluation where paths representing “causal” relations are placed between the latent variables.

Again, time will be spent on interpreting the various parameter estimates and determining whether the path models add anything above their underlying measurement models. If time permits, longitudinal models and other advanced topics will be introduced.

Required Software: R installed with LAVAAN package



Option #2: “Introduction to Multilevel/Longitudinal Analysis” – Dr. Paul Bliese, University of South Carolina

Course Description

The CARMA Multilevel/Longitudinal Analysis short course provides both (1) the theoretical foundation, and (2) the resources and skills necessary to conduct a wide range of multilevel analyses, including those associated with longitudinal data. The course covers within-group agreement, nested 2-level multilevel modeling and growth modeling. All practical exercises are conducted in R. Participants are encouraged to bring datasets to the course and apply the principles to their specific areas of research.

Required Software: SPSS

Registration, Pricing, Advanced Registration Deadline

To register for 2019 CARMA Short Courses in Padova, Italy, you must first [log in to your CARMA account](#) ([If you do not already have an account, please sign-up as a website user](#)). Once you have logged in, and you are in the User Area, select "Purchase Short Course" on the right side of the page.

Non-member prices per course: *All prices are in US Dollars (USD)

- Faculty/Professional: \$800.00
- Students: \$600.00

CARMA Member prices per course

- Faculty/Professional: \$400.00
- Students: \$300.00

If your organization is not yet a member but would like to become one, please contact us directly at carma@unl.edu.

All participants are eligible for the following discount:

Register for both sessions, receive \$75 off the total price.

Advanced Registration Deadline is June 21st 2019. After this date, a \$75.00 fee will be added to all registrations.



Accommodation

Hotel Information

Hotel	Internet Address	Address	Rating
Hotel Galileo	www.hotelgalileopadova.it	via Venezia, 30 (Fair district)	three stars
Hotel Donatello	www.hoteldonatello.net	via del Santo, 102/104 (near Basilica del Santo)	four stars
Hotel Al Santo	www.alsanto.it	via del Santo, 147 (near Basilica del Santo)	three stars
Hotel Giotto	www.hotelgiotto.com	Piazzale Pontecorvo, 33 (near Basilica del Santo)	three stars
Hotel NH	www.nh-hotels.com	Via G.B. Pergolesi, 24 (Fair district)	four stars
Hotel Europa	www.hoteleuropapd.it	Largo Europa, 9 (city centre)	three stars

University Residence Options