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ON-DEMAND SEMINAR

# Structural Equation Modeling: Part 2



A 4-Week On-Demand Seminar Taught by  
**PAUL ALLISON**

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### Course Dates:

Monday, August 15 –  
Monday, September 12, 2022

### Schedule:

Each Monday you will receive an email with instructions for the following week.

All course materials are available 24 hours a day. Materials will be accessible for an additional 2 weeks after the official close on September 12.

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 [SAMPLE COURSE SLIDES](#)

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For the last several years, Dr. Paul Allison has been teaching his acclaimed short seminars on **Structural Equation Modeling** to audiences around the world. This Part 2 seminar covers advanced

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models for longitudinal data, and much more. To take Part 2, you should already have some knowledge of SEM, ideally by taking [Part 1](#).

The course takes place in a series of four weekly installments of videos, quizzes, readings, and assignments, and requires about 6–8 hours/week. You can participate at your own convenience; there are no set times when you are required to be online. The course can be accessed with any recent web browser on almost any platform, including iPhone, iPad, and Android devices. The course videos are divided into 9 lectures covering the following topics:

1. Review of SEM
2. Nonrecursive models
3. Instrumental variables
4. Known reliability for single indicators
5. Second-order factor analysis
6. Formative indicators
7. Alternative estimation methods.
8. Multiple group analysis
9. Interactions with latent variables
10. Models for ordinal and nominal data
11. Missing data on binary variables
12. Models for censored and event-time data
13. Indirect effects in non-linear models
14. Models for longitudinal data

The modules contain videos of the 4-day livestream version of the course in its entirety. Each module is followed by a short multiple-choice quiz to test your knowledge. There are also weekly exercises that ask you to apply what you've learned to a real data set.

Each week, there is an assigned article to read. There is also an online discussion forum where you can post questions or comments about any aspect of the course. All questions will be promptly answered by Dr. Allison.

Downloadable course materials include the following pdf files:

- All slides displayed in the videos.

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- Computer code for all exercises (in Mplus, SAS, Stata, and R formats).
- A certificate of completion.

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## More details about the course content



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## Computing



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## Who should register?



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## Registration instructions



The fee of \$695 (USD) includes all course materials. All major credit cards are accepted.

This course is hosted on a platform called DigitalChalk. To register, you'll need to go to [statisticalhorizons.digitalchalk.com](https://statisticalhorizons.digitalchalk.com) and click on **Create Account**. Then you will enter your name and email address, and create a password. Be sure to **save your password** because you will need it to logon to the course itself.

When you have created your account, you'll be taken to your new home page. Click on the **Register Now** button (or click the Catalog icon on the left-hand column), and you'll see "Structural Equation Modeling: Part 2" as one of the available courses. At the bottom of the box for that course, click the green button **Add to Cart**. Next click the green button at the top that says **Checkout**. You will then be prompted for your credit card information.

When you have finished the payment process, you will be taken back to your home page. Click on **Dashboard** to see Structural Equation Modeling: Part 2. When the course begins on August 15, you can click the play button to get started.

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Please enter your email address  
view the sample video

Email address \*

Step 1 of 3

**Next**

**"Highly recommended for the intern  
user."**

"I have been using and teaching SEM for 30 years and still learned  
know until I took this course. Highly recommended for the intern."

**Tor Neilands**

University of California, San Francisco



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