



## Structural Equation Modeling in R using lavaan (S65)

03 – 28 March 2025

Online course

Course Director: Kyle Lang

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Please note that the schedule is in Central European Time (UTC+01:00)

| Week 1   |            |                      |                  |   |
|----------|------------|----------------------|------------------|---|
| Day      | Date       | Live-stream activity | Live-stream time | Suggested Topics  |
| Monday   | 2025-03-03 | Kick-off session     | 11:00 – 12:00    | Introduction<br>Lavaan workflow and syntax<br>Path analysis<br>Exploratory and confirmatory factor analysis |
| Thursday | 2025-03-06 | Q&A                  | 16:00 – 17:00    |   |
| Flexible | TBD        | Q&A                  | TBD              |   |

| Week 2   |            |                      |                  |   |
|----------|------------|----------------------|------------------|---|
| Day      | Date       | Live-stream activity | Live-stream time | Suggested Topics                                  |
| Monday   | 2025-03-10 | Q&A                  | 11:00 – 12:00    | Multiple group modeling<br>Measurement invariance |
| Thursday | 2025-03-13 | Q&A                  | 13:00 – 14:00    |   |
| Flexible | TBD        | Q&A                  | TBD              |   |

| Week 3   |            |                      |                  |  |
|----------|------------|----------------------|------------------|--|
| Day      | Date       | Live-stream activity | Live-stream time | Suggested Topics   |
| Monday   | 2025-03-17 | Q&A                  | 11:00 – 12:00    | Full structural equation modeling<br>Mediation<br>Moderation |
| Thursday | 2025-03-20 | Q&A                  | 13:00 – 14:00    |  |
| Flexible | TBD        | Q&A                  | TBD              |  |



| Week 4   |            |                       |                  |  |
|----------|------------|-----------------------|------------------|--|
| Day      | Date       | Live-stream activity  | Live-stream time | Suggested Topics                             |
| Monday   | 2025-03-24 | Q&A                   | 11:00 – 12:00    | Missing data<br>Model selection              |
| Thursday | 2025-03-27 | Q&A                   | 13:00 – 14:00    | Categorical indicators                       |
| Friday   | 2025-03-28 | Wrap-up & Focus Group | 11:00 – 13:00    | Conclusion<br>Focus group session (optional) |

**Notes**

1. This is a self-paced, e-learning course. Participants are free to study the course materials at whatever pace they prefer. We recommend covering the various topics in the order given above, but the daily schedule shown here is only a suggestion.
2. The instructors will provide information on the course materials, structure, and schedule during the kick-off session that will be live-streamed on Monday 2025-03-03. So, all participants are strongly encouraged to attend this session.
3. At the end of the wrap-up session on Friday 2025-03-28, you will have the opportunity to join a focus group session wherein you can discuss your experience with the course and provide suggestions for improvement.
4. The course will close at 13:00 on Friday 2025-03-28.