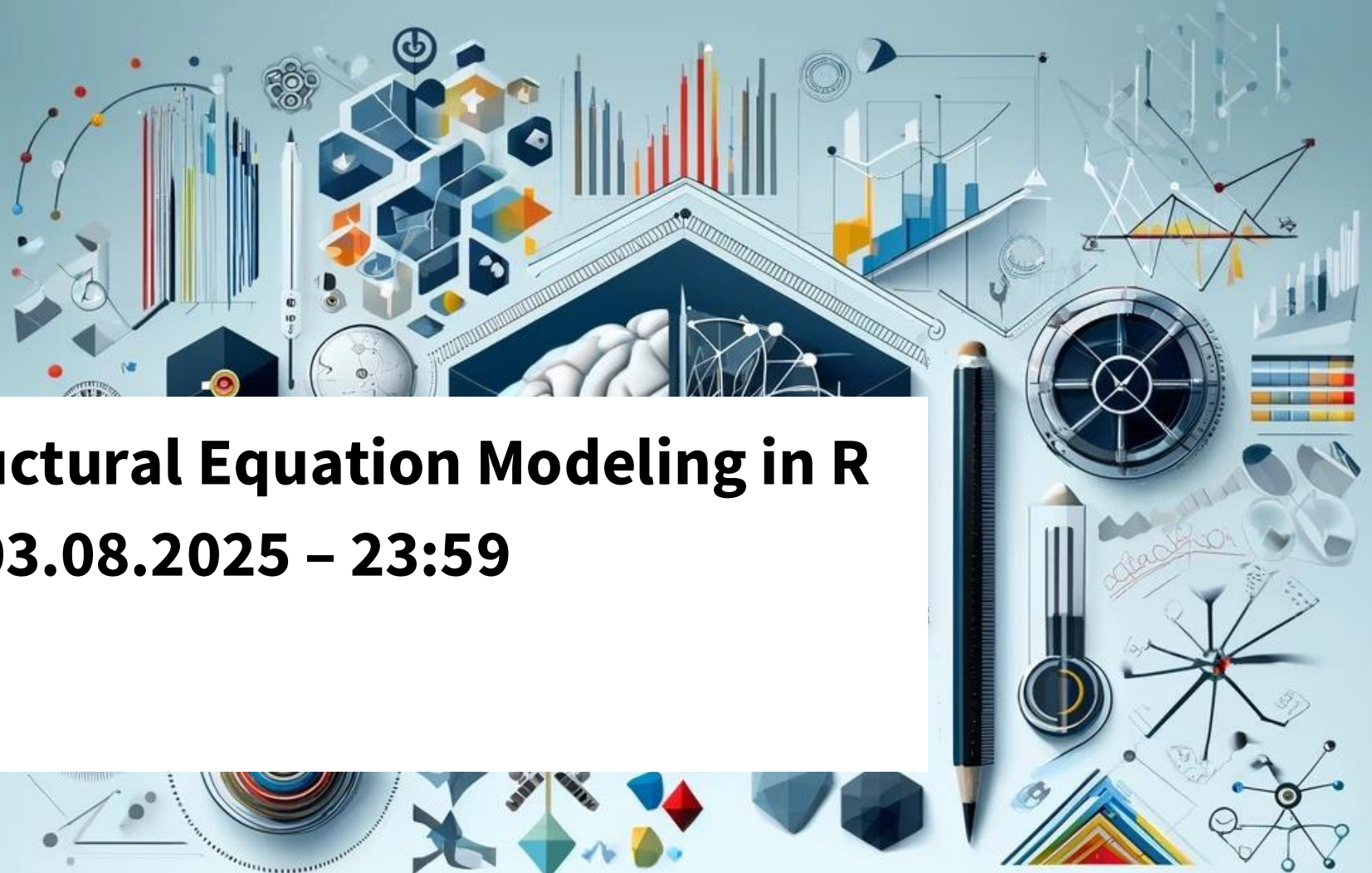




Universität  
Zürich<sup>UZH</sup>

Psychologisches Institut



# Introduction to Structural Equation Modeling in R

## Assignment – Due: 03.08.2025 – 23:59

Gidon Frischkorn

June 23<sup>rd</sup> – 25<sup>th</sup>

# Assignment

## Introduction to Structural Equation Modeling in R

1) Write a script to analyze either the data set shared for this assignment "Data\_Assignment.xlsx" or your own data set with a SEM analysis. If you use your own data, please provide some context on the underlying research questions, so that I can better understand your analyses.

2) Summarize your analyses in a Methods & Results report (max. 10 pages) providing context on your approach to estimating SEM and evaluating SEM fit and results. Try to tailor this report in a similar fashion of a manuscript in which you report results and try to communicate them as clearly and effectively as possible (e.g., by using figures and tables)

The deadline for the assignment is 3<sup>rd</sup> of August 2025.

Please send your report in PDF form and share your script and data used for the analyses in a zip-Archive via Mail or send me a link to access all materials that you used to create the report.

If you have questions or problems, please do email me.

Do complex span and updating memory tasks measure different aspects of working memory capacity?

Research Questions of Assignment Data

If so, how are complex span and updating performance related to reasoning ability

You can also explore measurement invariance between the different universities data was collected at.