

Preregistration

FDZ Herbstakademie / Autumn Academy 2025

- ♦ Dozierende*r / Dr. Nora Wickelmaier (Leibniz-Institut für Wissensmedien (IWM), Tübingen)
Lecturer:
- ♦ Termin / Mittwoch /Wednesday, 17.09.2025, 9:00 – 17:00 h
Date and Time:

Abstract

This workshop will explore the fundamental principles and methodologies of preregistration, providing participants with a comprehensive understanding of its significance in fields like psychology and educational sciences. Attendees will engage in hands-on activities to develop their own preregistration plans, learning how to articulate research questions, hypotheses, and analysis strategies effectively. We will also discuss common challenges and misconceptions surrounding preregistration, as well as best practices for implementing it in research projects.

Inhalte / Contents

- ♦ What is preregistration and why should we do it
- ♦ Elements of a good preregistration
- ♦ Defining the smallest effect size of interest
- ♦ Reproducible preregistrations with R Markdown
- ♦ How to best integrate preregistration into your workflow

Voraussetzungen / Previous knowledge required

- ♦ Basic knowledge of statistical concepts like hypothesis testing
- ♦ Basic knowledge of R

Literatur / Literature

- Brandt, M., Ijzerman, H., Dijksterhuis, A., Farach, F., Geller, J., Giner-Sorolla, R., . . . Van't Veer, A. E. (2014, 01). The replication recipe: What makes for a convincing replication? *Journal of Experimental Social Psychology*, 50, 217–224. doi: 10.1016/j.jesp.2013.10.005
- Van't Veer, A. E., & Giner-Sorolla, R. (2016). Pre-registration in social psychology–A discussion and suggested template. *Journal of Experimental Social Psychology*, 67, 2–12.
- Xie, Y., Allaire, J. J., & Golemund, G. (2018). *R Markdown: The definitive guide*. Chapman and Hall/CRC. Retrieved from <https://bookdown.org/yihui/rmarkdown/>

Software / Software requirements

Participants will need to have installed:

- ♦ a current R version (<https://cran.r-project.org/>)
- ♦ an IDE for R (like RStudio or VSCode) or a text editor with syntax highlighting (like Vim or Notepad++)
- ♦ additional R packages
 - rmarkdown: <https://CRAN.R-project.org/package=rmarkdown>
 - prereg: <https://CRAN.R-project.org/package=prereg>