

Practicing Transparent Research with Open Science

Objective

“Open Science” is currently a prominent buzzword referring to different practices and principles for making all products of the research process (publications, material, data, code etc.) publicly available. Funding organizations start to require open practices for supported research projects. An additional motivation are reputation crises in several empirical sciences, triggered by lacking reproducibility of published results. This leads to shifting standards reflecting a need to make scientific practice more robust.

The online workshop aims at empowering participants to take the first steps in applying open-science procedures to make their own research more transparent and to face the increasing pressure to practice research transparently.

Description

You will acquire background knowledge on the current reproducibility crisis and its causes and get an understanding of the different facets of open-science practice with an emphasis on the empirical research cycle. Most importantly, you will reflect on your own research experience, and you will learn to practically apply different tools for your projects.

Topics that will be covered include:

- Power analysis
- Statistical issues
- Pre-registration
- Open material / open code
- Open data
- Legal issues

Due to the nature of the problem, the online workshop is mostly geared towards research practice in the empirical sciences, although some aspects are applicable to all scientific fields.

Methodology

- Lectures
- Practical exercises
- Q&A session

Organizational Information

Language / Format	English / Online
Target group	Doctoral Candidates at all stages and Postdocs (R2/R3) from all faculties
Date	Friday, 12 July 2024, 10:00 – 14:00
Registration	For registration click here

Trainer



Prof. Dr. Axel Kohler
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- Teaches psychology at a private university, focusing on biopsychology, experimental psychology, and neuroscience
- Likes to give workshops on different topics: image processing, programming, open science