Proposal for workshops – AGILE 2025

Dresden, Tuesday 10 June 2025

https://agile-online.org/conference-2025

1. Workshop name/title (and acronym is applicable)

Open and reproducible research best practices: Codechecks, AGILE repro reviews, and reprohacks for your research

2. Description of the workshop by listing topic(s), objective(s) and planned outcome(s)

2.1 Topic(s)

Research coding skills, reproducible research best practices, community building

2.2 Objective(s)

1. Participants learn about best practices for reproducible research
2. Participants improve their reproducibility skills
3. Enlarge relevant communities (AGILE reproducibility reviewers, Codecheckers, reprohacks)

2.3 Planned outcome(s)

Several completed code checks

3. Abstract

Why would you invest time in checking someone else's code? Because it's fun and you learn a lot! This workshop will introduce participants to different communities, processes, and platforms to make their research more open and reproducible. Then participants will work in pairs to codecheck an existing study or research. We strongly encourage participants to submit their own work to be checked during the workshop. However, participating without submitting code is also possible, but basic programming skills in R or Python will come in handy. There will be several rounds of independent work and feedback, during which participants exchange experience and can ask for help and support. The last part of the workshop will be more tips and tricks and a discussion on how and where to continue such

activities (e.g., Codecheck community, Reprohacks, AGILE repro reviews). In case the submitted code was accompanied by a published (pre-)print, any successful codechecks will result in an official, citable Codecheck certificate!

4. Short description of the intended length (half or full day) and the format of the workshop

Half-day, hands-on work in small groups

5. Brief statement of the relevance of the workshop for AGILE

Strengthening research and reproducibility skills of the AGILE community, and adding to the pool of future reproducibility reviewers

6. What is the approximate number of expected participants?

15

7. Names and e-mail addresses of the organizing member(s)

Leading AGILE member (or sponsor) and contact person:

Frank Ostermann

Contributing AGILE members (including the persons involved)

Daniel Nüst

Carlos Granell

8. Additional information about previous workshops, if held.

Not a direct continuation of, but certainly a follow-up, to previous AGILE reproducibility workshops

9. Expected resources needed

Good internet connection and tables that can be rearranged to work in small groups

10. Other information

Submission by e-mail to: agile2025@tu-dresden.de