

Reproducible Quantitative Data Science

Working toward a reproducible PhD

Aims for these two days

- Give you background information on reproducibility
- Make you think about your own practice and start developing new good practices
- Introduce new generic tools

We are going to learn together and share experiences

Let's introduce to each other

- Name
- Your research area
- Fun fact, if you want

Teachers



Cyril Pernet - NRU, Rigshospitalet
NeuroImaging-NeuroInformatics



Melanie Ganz - DIKU+ NRU, RH
Medical imaging - NeuroImaging



Robert Oostenveld
Donders Inst, Radboud, NL
Karolinska Inst, SE
MEG and EEG methods

Rules of engagement

- you can stop us anytime to ask questions
- whenever a gray rectangle appears, an activity/answer is needed, often in small groups (2 or 3 people)
- group yourselves now for the rest of the morning

Question box

You ...

Please head over to xxxxx and type a very short bio for yourself.

[tiny_url](#)

Teacher notes: use some platform
for students to introduce themselves
(we use padlet)

Material

<https://github.com/CPernet/ReproducibleQuantitativeDataScience>

pdf of slides will be published so you can access it all (but we want you to play along so you cannot see the answers to questions yet)

Material

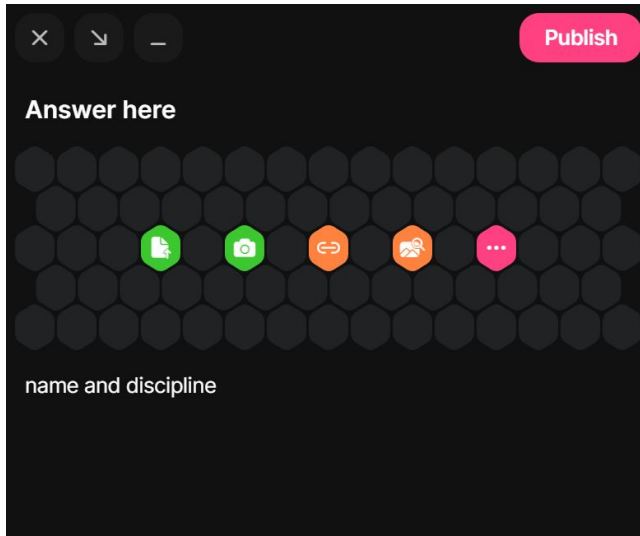
<https://github.com/melanieganz/ReproducibleQuantitativeDataScience-2025>

pdf of slides will be published so you can access it all (but we want you to play along so you cannot see the answers to questions yet)

Ice breaker → xxxxx

What is your perception of reproducibility in a few words

Join xxxx and write your answer - you can also vote for each other answer



The screenshot shows a mobile application interface with a dark background. At the top, there are three navigation icons (a close 'X', a back arrow, and a home dash) on the left, and a pink 'Publish' button on the right. Below the navigation bar, the text 'Answer here' is displayed. The main content area features a grid of dark hexagons. Five hexagons in the middle row are highlighted with colored icons: a green document icon, a green camera icon, an orange double-headed arrow icon, an orange speech bubble icon, and a pink three-dot menu icon. At the bottom of the screen, the text 'name and discipline' is visible.

Teacher notes: use some platform for students to share (preferably allow anonymous input for those not feeling comfortable with that - also nothing is mandatory here)

Ice breaker → <https://padlet.com/wamcyril/Reprod>

What is your perception of reproducibility in a few words

Join the padlet and write your answer - you can also vote for each other answer