



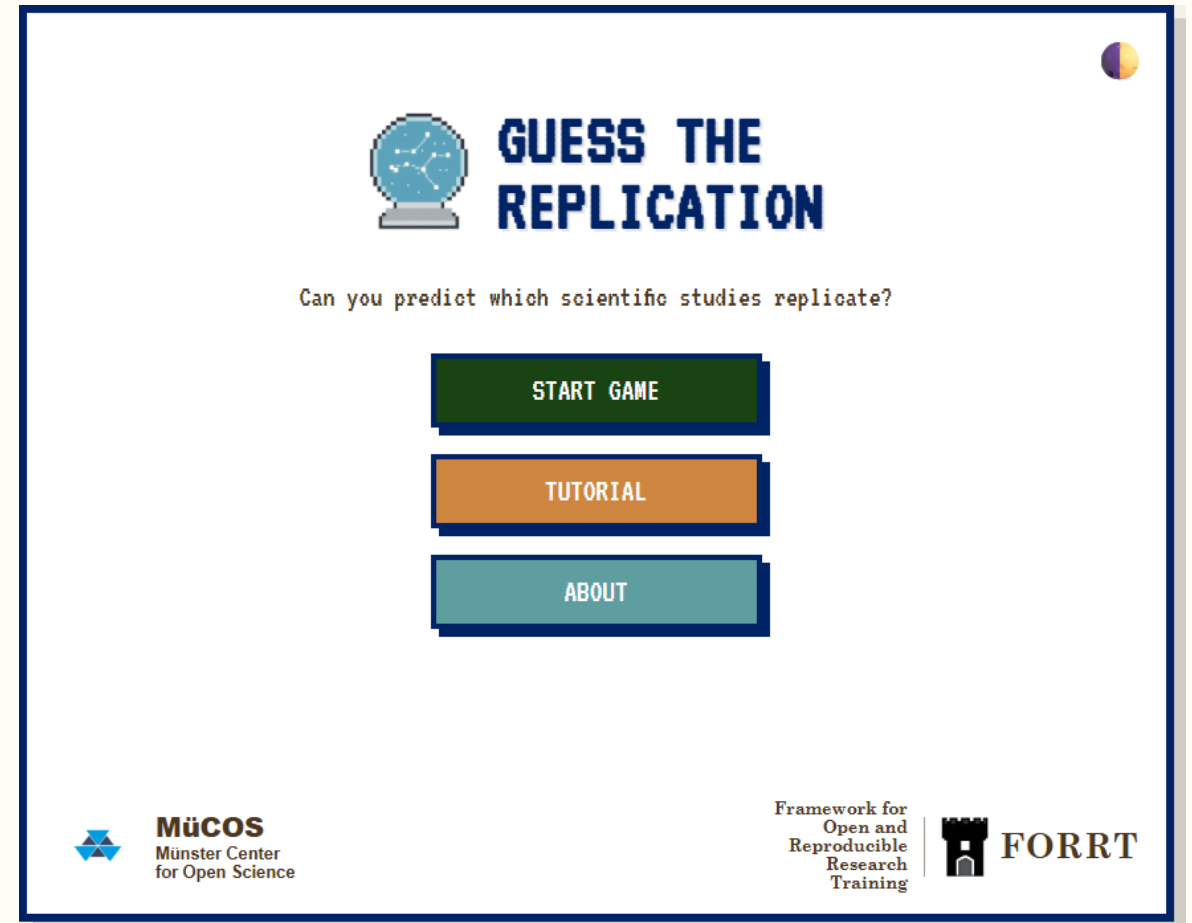
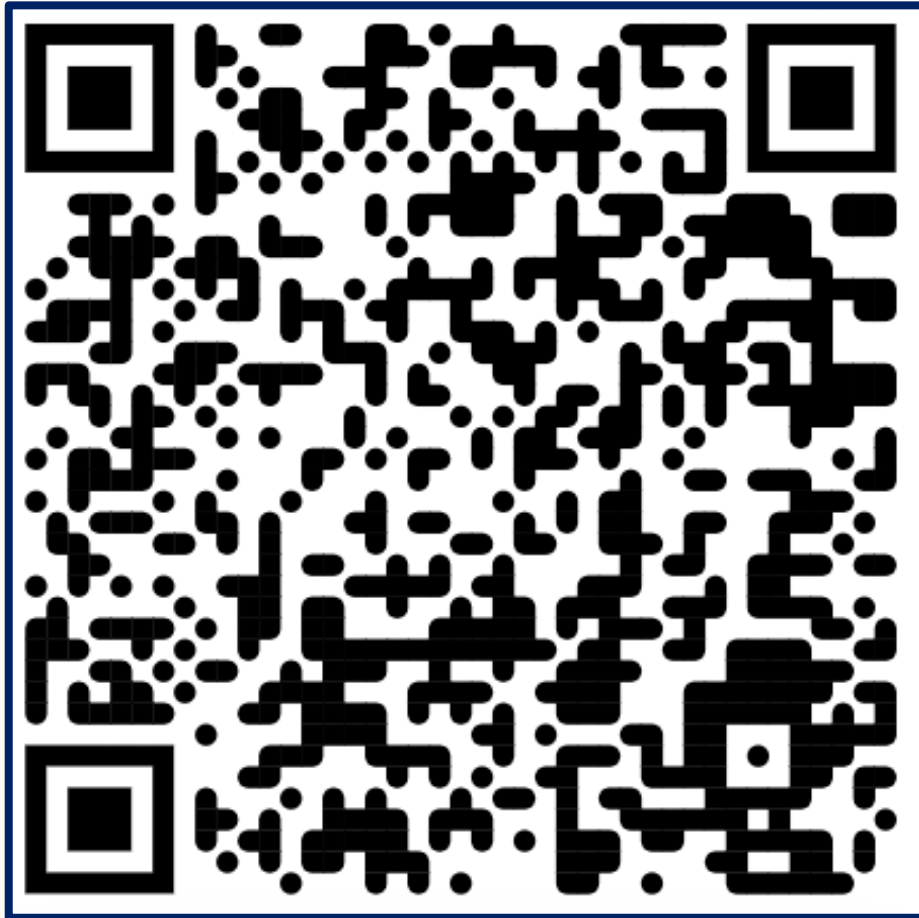
Copy these Powerpoint slides into your teaching materials and modify them to your liking – no citation needed!

What is a replication?

- When researchers **test a claim that others have made again**, they attempt to **repeat** a previous study
- They can do so with the same data (reproduction) or with new data (replication)
- Some findings require repeatability to be meaningful (e.g., relationship between intelligence and income) while others do not (dinosaur bones can only be unearthed once)



Play Guess the Replication at t1p.de/guther





Tasks for reflection

- What do you think does a replication outcome depend on?
- Does a failed replication mean that the original study was bad research?
- What should be the replication success rate for studies published in academic journals?
- How do you think academic pressure to publish affects replication rates?
- If you were the editor of a major academic journal, what is one rule that you would impose to increase replicability?



About GutheR

- GutheR's purpose is to draw attention to replications in a playful way
- It is based on the world's largest database of replications: **FORRT Library of Reproduction and Replication Attempts (FLoRA)**
 - >250 people have been working on FLoRA since 2022
 - In GutheR, mixed results are excluded
 - Check out all entries in the **FLoRA Explorer** (forrt.org/flora-explorer)
- It is merely one of dozens of projects that you can use to **track, explore, conduct, and disseminate replications** – for more, see the FORRT Replication Hub (forrt.org/replication-hub)

