Faking Data with R

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Session 1: Simulating multi-level experimental data

In this tutorial, I will • show how you can simulate research data to keep those students going, who have to complete their studies, but can no longer hit the lab. In this tutorial, I will introduce you to the basic tricks of data simulation. Specifically, I will show how to simulate data for multi-level psychological experiments at the example of the Stroop experiment.

The following general techniques will be introduced:

1. with *vectorization* you create a huge amount of data on one command
2. with *parameter tables* you adjust the effects
3. with *joins* you can build multi-level *parameter tables*
4. with parameter tables and *random number generators* you create fake measures

Time

Monday, April 20, 20:00 (opens 19:30)

Place

Canvas conference

Preparation
1. basic skills in R and tidyverse
2. R and Rstudio installed
3. required R packages: tidyverse
4. Excel installed