

Behavioral Genetic Data Analysis

a workshop on the core concepts and statistical methods of behavioral genetics



In this workshop, participants will be introduced to the basic concepts and models of behavioral genetics. Using the data of the TwinLife study they will learn how to analyze and interpret behavioral genetics family data in R.

Lecturers

Dr. Bastian Mönkediek,
Mirko Ruks,
Christoph Klatzka



When?

18.- 19.08.2021
from 9:00 AM -
3:15 PM (CEST)



Where?

This workshop will take place online (a zoom link will be provided after registration).



Course language

The workshop will be held in **English**.



Registration fee

None, participation at this workshop is **free**.



Registration

Please register via e-mail at workshop@twin-life.de until 18.07.2021



Target group

Social Scientists from a broad disciplinary range (sociology, psychology, economics, political science) interested in including behavioral genetic models in their methodological toolbox.



Workshop Program

The first half of the workshop provides a general introduction to the field of behavioral genetics. Moreover, participants will get a quick overview of the TwinLife study as well as its study design and data structure. In the second half of the workshop, a practical introduction to the methods and statistical models of behavioral genetics will be provided. After a short introduction to the programming language R, participants will learn how to build basic behavioral genetic models, like the univariate and bivariate ACE model using the TwinLife data. Finally, it will be explained how to interpret and report results of behavioral genetic analyses.

TwinLife Study

The German TwinLife study uses a longitudinal twin-family design to collect data from about 4000 families. In doing so it covers a vast number of multidisciplinary topics as well as measures of intelligence and personality in order to discover how interindividual differences and social inequality arise. The data of the study is available to the research community and will be used for the practical session in this workshop.



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