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(Speaker: Dr. Zofia Baranczuk)

9.00-9.40 Introduction to advanced Statistics: regression models and hierarchical approaches
9.40-10.00 Discussion/Questions
10.00-10.30 Coffee break
10.30-11.40 Methods of analysis for different types of data (behavioral and neuroimaging)
11.40-12.00 Discussion/Questions
12.00-13.15 Lunch break
13.15-15.00 Hands-on session in R (bring your own laptop)

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(Speaker: Dr. Zofia Baranczuk)

9.00-9.40 Data and results visualization in R
9.40-10.00 Discussion
10.00-10.30 Coffee break
10.30-11.40 Comparison between different methods of plotting results
11.40-12.00 Discussion/Questions
12.00-13.15 Lunch break
13.15-15.00 Hands-on session in R (bring your own laptop)

13-14 Parallel Workshops

9.00 - 10.00 Bayesian workshop (Speaker: Dr. Paul-Christian Bürkner)

This workshop offers an application-focused introduction to multilevel modeling in R using Bayesian methods, in particular, the brms package. Comparison between frequentist and Bayesian methods.

10.00-10.30 Coffee break
10.30-11.40 Parallel Workshops
11.40-12.00 Discussion/Questions
12.00-13.15 Lunch break
13.15-15.00 Hands-on session in parallel workshops

9.00-10.00 Neuroimaging workshop (Speaker: Dr. Karsten Tabelow)

This workshop explains the basics of analysis of functional Magnetic Resonance Imaging (fMRI) data with R including data pre-processing, structural adaptive smoothing, multiple testing procedures and visualization of the results. Introduction into the analysis of diffusion MRI data with the R package dti.

10.00-10.30 Coffee break
10.30-11.40 Parallel Workshops
11.40-12.00 Discussion/Questions
12.00-13.15 Lunch break
13.15-15.00 Hands-on session in parallel workshops

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Speaker: Dr. Simon Schwab)

9.00-9.40 Explanation of pre-registration and the importance of pre-register your projects
9.40-10.00 Discussion
10.00-10.30 Coffee break
10.30-11.40 How you should pre-register your project (examples in the field of Neuroscience)
11.40-12.30 Tutorial on pre-registration
12.30-14.00 Group picture/Apero/Greetings