

GRK
2624

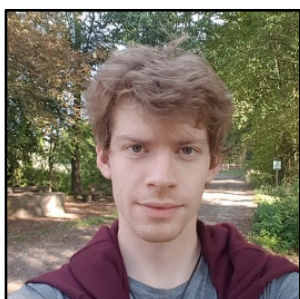
Workshop “Bayes statistics” Room: TBA 21 / 22 February 2022

Workshop 2022

WORKSHOP in Bayes Statistics:

The GRK 2624 workshop at the Department of Statistics at TU Dortmund University, Germany, introduces Bayesian modelling and the software Stan. Topics covered are Bayesian (generalized) multilevel models, Bayesian parametric and nonparametric non-linear models and an introduction to Stan. All lecture parts are supplemented by exercises.

All attendees are asked to bring a laptop and prepare themselves to program in R and Stan (installation advice under <https://mc-stan.org/users/interfaces/>).



INVITED SPEAKER: Dr. Paul Bürkner

Independent Junior Research Group Leader for Bayesian Statistics, University of Stuttgart,
<https://paul-buerkner.github.io/>.

Paul Bürkner works at the Cluster of Excellence SimTech at the University of Stuttgart. He obtained a PhD in Psychology from the University of Münster in 2017. He has a master's degree both in psychology and in mathematics.

His research interests include Bayesian Statistics, Bayesian Workflow, Uncertainty Quantification, Simulation-Based Inference, Model Comparison and Multilevel Modeling. He is the author of the R package "brms" (Bayesian Regression Models using Stan).

Registration & Contact:

Melanie Große (groesse@statistik.tu-dortmund.de)

Deadline: January 17, 2022




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Workshop
“Bayes statistics”
Room: TBA
21 / 22 February 2022


Workshop 2022

PROGRAM

Day 1 (21 February 2022)

- | | |
|---------------|--|
| 13.00 – 15.30 | Introduction to Bayesian statistics (+ exercise) |
| 15.30 – 16.00 |  |
| 16.30 – 18.00 | Bayesian (generalized) multilevel models (+ exercise) |

Day 2 (22 February 2022)

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|---------------|---|
| 13.00 – 14:00 | Bayesian parametric non-linear models (+ exercise) |
| 14.00 – 15.00 | Bayesian non-parametric non-linear models (+ exercise) |
| 15.00 – 15.30 |  |
| 15.30 – 17.30 | Introduction to Stan (+ exercise) |
| 17:30 – 18:00 | Open Q&A session |

There will be additional shorter breaks during the lecture parts.

