

# Florence Bockting



## CONTACT

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 <https://florence-bockting.github.io/>

## LANGUAGES

German (mother language)

English (fluent)

French (basics)

## PROGRAMMING

R, Python, Tensorflow, STAN

RShiny Apps, RMarkdown,

Jupyternotebook

HTML, CSS, JS

## FURTHER SKILLS

MS Office, LaTeX

Gimp

Zotero

Git, GitHub, GitHub Pages

Quarto, Sphinx

## EDUCATION

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Doctoral student in computational statistics under supervision of Prof. Dr. Paul-Christian Bürkner

since 06/2023 | Statistics faculty | TU Dortmund

Aug 2022 – May 2023 | SC SimTech | University of Stuttgart

Doctoral student in psychological methods under supervision of Prof. Dr. Daniel W. Heck

Oct 2020 – July 2022 | Psychology faculty | University of Marburg

Master studies in cognitive science with majors in artificial intelligence and cognitive psychology

Sept 2018 – Sept 2020 | University of Osnabrück

Bachelor studies in business psychology with majors in market research and consumer behavior

Aug 2014 – Aug 2018 | University of applied science Harz, Wernigerode

Vocational training as marketing communications specialist

Aug 2012 – July 2014 | Dresden Informatik GmbH

## EXPERIENCES

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Tutor & student assistant (2015 – 2020)

for various lectures and seminars in the fields of: data ethics, statistics, computational data analysis, Bayesian data analysis, general psychology, experimental psychology

Research assistant (2018/2019)

Qualitative and quantitative market research in the health care sector, Produkt+Markt GmbH, Osnabrück

Project member (2018)

Project: Development of a Matching Platform for Student Skills. My main task involved conducting needs analysis and conceptualizing the design of the matching platform.

Internships

2017 | qualitative market research in the health care sector, Ipsos GmbH, Hamburg

2016 | Chair of general psychology and methodology, Prof. Dr. Claus-Christian Carbon, University of Bamberg

## TEACHING

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### Master Seminar Multilevel Modelling (2023/24)

Targeting students in the field of Data Science, Statistics, and Econometrics. Introduction to the theory and analysis of multilevel models using R.

### Programing course: Introduction into Python (2023/24)

Students learn the fundamentals of the Python programming language as well as tools for documentation with Sphinx, testing with pytest, and version control using Git and GitHub.

### Supervision of theses (2021/22)

The influence of response scales on the knowledge gain of underlying cognitive mechanisms: The role of uncertainty and truth perception in the Truth Effect | Bachelor thesis | University of Marburg

Empirical test of core assumptions of the Referential Theory: Influence of repetition on perceived coherence | Bachelor thesis | University of Marburg

Identification and testing of relevant psychological factors on truth judgments and the truth effect according to the Referential Theory | Bachelor thesis | University of Marburg

### Supervision of thesis (2020/21)

Truth Effect – The role of the response scale in truth effect designs with short delay | Bachelor thesis | University of Marburg

## PUBLICATIONS & TALKS

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**Bockting, F.**, Radev, S. T., & Bürkner, P. C. (2024). Invited talk: Simulation-Based Prior Knowledge Elicitation for Parametric Bayesian Models. First presented at Bayes@Lund.

**Bockting, F.**, Radev, S. T., & Bürkner, P. C. (2023). Simulation-Based Prior Knowledge Elicitation for Parametric Bayesian Models. arXiv preprint. <https://arxiv.org/abs/2308.11672>

Heck, D. W., & **Bockting, F.** (2023). Benefits of Bayesian model averaging for mixed-effects modeling. *Computational Brain & Behavior*, 6(1), 35-49. <https://doi.org/10.1007/s42113-021-00118-x>

van Doorn, J., Haaf, J. M., Stefan, A. M., Wagenmakers, E. J., Cox, G. E., Davis-Stober, C. P., ..., **Bockting, F.** & Aust, F. (2023). Bayes factors for mixed models: A discussion. *Computational Brain & Behavior*, 6(1), 140-158. <https://doi.org/10.1007/s42113-021-00113-2>

**Bockting, F.** & Heck, D. W. (2021). Measuring Individual Differences in the Truth Effect: A formal analysis. Fast Talk at MathPsych

Stephan, A., Walter, S., Anton, T., Barkmann, M., **Bockting, F.**, Dielen, G., Dziomba, L., Lang, A., Ruland, M., & Schütze, P. (2021). Nachwort. In Turing A. M. *Computing Machinery and Intelligence. Können Maschinen Denken?* (pp. 131-201). English/German. Reclam.

## WORKSHOPS

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Oct 2022	Theory of science, Prof. Dr. Zoglauer, University of Stuttgart
Oct 2022	Foundations of Deep Learning for the Social Sciences   University of Tübingen
Sept 2022	The Statistics Wars and Their Casualties   Prof. Dr. Deborah Mayo, Prof. Dr. Roman Frigg, & Prof. Dr. Margherita Harris
Sept 2022	Advanced Bayesian Data Analysis   Dr. Bruno Nicenboim   University of Potsdam
Feb 2022	Interval Hypothesis Testing   Prof. Dr. Daniël Lakens   University of Eindhoven
Dec 2021	Robust Cognitive Bayesian Analysis   Prof. Dr. Jeffrey N. Rouder   University of California
Oct 2021	Bayesian evaluation of (informative) hypotheses   Prof. Dr. Herbert Hoijtink   University of Utrecht
Jun 2021	Multinomial-Processing-Tree Modeling - Basic Methods and Recent Advances   Prof. Dr. Edgar Erdfelder & Prof. Dr. Daniel Heck   University of Mannheim
May 2021	Single- vs. Dual-Process Theories   Prof. Dr. Mandy Hütter   University of Tübingen
Feb 2021	Introduction to Bayesian Statistics   Prof. Dr. Daniel Heck   University of Marburg

## SCHOLARSHIP

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### Studienstiftung des deutschen Volkes (2015 - 2020)

scholarship for excellent academic achievement; awarded to <0.5% of university students in Germany

## OTHER EXPERIENCES

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### OpenCode Task Force (2021/22)

Assistance to fellow doctoral candidates in the Research Training Group with programming in R and the analysis of their studies, University of Marburg Doctoral Initiative

### Internship Coordinator (2021)

Supporting psychology students with questions regarding their mandatory internships.

### Training Course Johanniter (2021)

Participation in a course to prepare for voluntary work in end-of-life and grief counseling at the Adult Hospice, Johanniter Marburg