# 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

### 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

### 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

### 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

**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

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

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

## OTHER EXPERIENCES

### 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

This CV was last updated on 2024/03/31