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| Florence Bockting | | | | | | |
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| COntact  [florence.bockting@tu-](mailto:florence.bockting@tu-) dortmund.de  [florence-bockting.github.io](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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| **Research assistant in the working group computational statistics (Prof. Dr. Paul-Christian Bürkner)**  since 06/2023 | Statistics faculty | TU Dortmund  Aug 2022 – May 2023 | SC SimTech | University of Stuttgart  **Research assistant in the working group: psychological methods (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**  Graduated with distinction | Sept 2018 – Sept 2020 | University of Osnabrück  **Bachelor studies in business psychology with majors in market research and consumer behavior**  Graduated with distinction | 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 (2024)**  Influence of different approaches for setting initial values in hyperparameter optimization with SGD | Bachelor thesis | TU Dortmund university  Sensitivity analysis and performance evaluation of varying upper thresholds for discrete likelihoods using the softmax-gumbel trick | Master thesis | TU Dortmund university  **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) Contributed talk: Normalizing Flows for Simulation Based Expert Prior Elicitation. Presented at MathPsych (Society for Mathematical Psychology)  **Bockting, F**., Radev S. T., & Bürkner P. C. (2024). Contributed talk: Simulation-Based Prior Knowledge Elicitation for Parametric Bayesian Models. Presented at ISBA (International Society for Bayesian Analysis)  **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. (2024). Simulation-based prior knowledge elicitation for parametric Bayesian models. *Scientific Reports 14*, 17330 (2024). https://doi.org/10.1038/s41598-024-68090-7  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**  Sept 2024 First Research Software Engineering summer school at Karlsruhe Institute of Technology (KIT)  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.  **Volunteer work at Kana** **(2021)**  Participating in a soup kitchen for homeless people in Dortmund.  This CV was last updated on 2024/09/15 | | | |
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