

Mio Hienstorfer- Heitmann

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Creative Political Data Scientist with strong statistical and computational skills

Relevant Work experience (Internships excluded)

- January 2023 – today **Researcher**, *Chair for Methods in Political Science*, University of Passau, Passau, Germany.
Collecting large amounts of data to analyse patterns in large bibliographic data.
Tasks:
 - developing algorithms to extract and validate data from open-source platforms and APIs
 - developing algorithms to automatically extract reference data from scientific journals
 - analysing gendered citation behaviour using text-as-data methodology
- December 2022 – May 2023 **Student assistant**, *Computational Social Sciences*, GESIS Leibniz Institute of the Social Sciences, Cologne, Germany.
Building and maintenance of replicable environments to enhance open science.
Tasks:
 - Building and maintaining binders ([see example](#)) to allow replication of scientific analyses.
 - Developing **WIDD**, a tool to integrate data documentation in scientific workflow using javascript
- April 2021– June 2022 **Employee**, *Statistics & Digitisation*, German National Foundation, Bonn, Germany.
Evaluation and Monitoring of the foundations' processes.
Tasks:
 - Evaluation of processes using quantitative modelling in R
 - Conceptualisation of new database application
 - Reporting of relevant statistics using RMarkdown and Shiny
- September 2019– **Researcher & Teaching staff**, *Chair for European Politics*, Mannheim University, Mannheim, Germany.
December 2020 Teaching, Data Collection, Preparation of Dissertation
Tasks:
 - Seminars: *The role of opposition parties in European democracies & Quantitative Methods in International Relations*
 - Collection of parliamentary data via Web scraping with R

Education

- 2022–today **Informatics & Social Science**, *Bachelor of Education*, Rheinische Friedrich-Wilhelms-Universität, Bonn, Germany.
Focuses: mathematical concepts & proofs, systemic computer sciences, educational science

- 2019–2020 **Political Science**, *Doctorate*, Graduate School of Economics and Social Sciences, Mannheim, Germany.
Focuses: Quantitative Methods, Legislative Behaviour of opposition parties. Terminated before graduation.
- 2016–2019 **Political Science**, *Master of Arts*, University of Cologne, Cologne, Germany.
Focuses: Quantitative Methods with R, Legislative Behaviour, Comparative Political Economy
- 2011–2015 **Political Science**, *Bachelor of Arts*, Bremen University, Bremen.
Focuses: Electoral Research, Party Research, Quantitative Methods

Publications & Conference Talks

- Zeyd Boukhers, Arnim Bleier, Yeliz Ucer Yediel, Mio Hienstorfer-Heitmann, Mehrshad Jaberansaryand Adamantios Koumpisand Oya Beyan (2023): *PADME-SoSci: A Platform for Analytics and Distributed Machine Learning for the Social Sciences*. arXiv.
Accessible via <https://arxiv.org/abs/2303.18200>
- Mio Hienstorfer-Heitmann, Leon Froehling, Arnim Bleier (2023, June 27-29): *Introducing Workflow-Integrated Data Documentation* (Conference presentation).
Accessible via <https://www.open-science-conference.eu>

Language Skills

English	C1-Level	<i>Staying abroad and studying in English</i>
French	B1-Level	<i>Seven years of teaching at school</i>
Spanish	A1-Level	<i>Erasmus term in Barcelona</i>
Arabic	A1-Level	<i>Course at university and self-teaching</i>

Computer Literacy

Microsoft Office	Word (advanced), Excel (advanced), Powerpoint (advanced)
Programming languages	R (advanced), Python (intermediate), SQL (basic), Javascript (basic), C++ (basic)

International Experience

- 2015–2016 9 Months Work and Travel in New Zealand
- 2017–2018 5 Months Erasmus Semester at Universitat Autònoma de Barcelona

Voluntary Work

- September 2016 – today Player RSV Rugby club Cologne
- February 2021 – today Tutor refugees, Netzwerk Integration Lindenthal