

Lukas Birkenmaier

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Current Position

- 2021 - **Research Associate and PhD Candidate, GESIS Leibniz-Institut für**
20223 **Sozialwissenschaften (Mannheim)**
- Focus Dissertation: Measurement Validity for Natural Language Processing
 - Focus Service: Data quality, digital behavioural data, preparation of workshops

Education

- 2020 - **University of Warwick (United Kingdom)** MsC Big Data and Digital Futures
2021
- With Distinction: A+
 - Focus on data analysis, data visualization, machine learning
- 2019 - **University of Constance (Germany)** MA Politics and Public Administration
2022
- Very Good 1.5 (Germany)
 - Focus on public administration, quantitative data analysis
- 2015 - **University of Constance (Germany)** MA Politics and Public Administration
2019
- GPA 1.7 (Germany)
 - Focus on Public Administration, quantitative data analysis and management

Working Papers

- 2023 Lukas Birkenmaier, Clemens Lechner & Claudia Wagner. **The search for solid ground in text as data: A systematic review of validation approaches.** Under review at Communication Methods and Measures
- 2023 Lukas Birkenmaier, Clemens Lechner & Claudia Wagner. **Navigating the complexities of text as data - A uniform validation framework (ValiTex) for text-based measures of social science constructs.**
- 2023 Jessica Daikeler, Leon Fröhling, Indira Sen, Luks Birkenmaier, Tobias Gummer, Jan Schwalbach, Henning Silber, Bernd Weiss, Katrin Weller & Clemens Lechner: **Assessing Data Quality in the Age of Digital Social Research: A Systematic Review.** Under Review at the Social Science Computer Review

Publications

- 2023 Fröhling, Leon, Lukas Birkenmaier, and Jessica Daikeler. 2023. **"Garbage in - Garbage out? Datenqualität im Umgang mit digitalen Verhaltensdaten."** Easy social sciences 2023 (68). <https://doi.org/10.15464/easy.2023.03>
- 2022 Birkenmaier, Lukas, Stefan Haußner, and Michael Kaeding. 2022. **Die unbeachtete Wahlrevolution: Analyse der Briefwahl bei der Bundestagswahl 2021.** In *Die Bundestagswahl 2021. Analysen der Wahl-, Parteien-, Kommunikations- und Regierungsforschung*, edited by Karl-Rudolf Korte, Maximilian Schiffers, Arno Von Schuckmann, and Sandra Plümer, Wiesbaden: Springer VS.
- 2022 Birkenmaier, Lukas, Stefan Haußner, and Michael Kaeding. 2022. **Ungleiche Wahlbeteiligung in pandemischen Zeiten: Gibt es einen Corona-Effekt?** In *Die Bundestagswahl 2021. Analysen der Wahl-, Parteien-, Kommunikations- und Regierungsforschung*, edited by Karl-Rudolf Korte, Maximilian Schiffers, Arno Von Schuckmann, and Sandra Plümer, Wiesbaden: Springer VS.

Work Experience

- 2023 **Lecturer Statistics / Business Research Methods, SRH Heidelberg**
Teaching Statistics in an applied course project with a DAX30 project partner
- 2021- **Student Assistant Data Literacy, University of Duisburg-Essen**
2022 Main tasks: Development of an Open Education Resource (in R and Python) for the universities' Data Campus Project
- 2020 **Working Student PricewaterhouseCoopers (PwC), Consulting, Berlin**
Main tasks: Support for the introduction of a Computer-Aided Facility Management software for a major ministry on the federal level
- 2019 **Internship State Ministry of Economy, Labor and Housing, Unit 31 'Industrial and Technology Policy, Digitization', Stuttgart**
• Main tasks: Support call for proposals for a major project in the field of artificial intelligence; drafting of speeches and greetings
- 2018 - **Assistant Teacher (Tutor), University of Constance,**
2019 Main Tasks: Supervised and gave tutorial lectures (~ 30 participants) for the undergraduate course 'Human Resource and Organizational Management'
- 2018 **Internship PricewaterhouseCoopers (PwC), Public Sector Consulting, Berlin**
• Main tasks: Supported an organizational review

Awards

- 2016- **Scholarship Konrad Adenauer Foundation**
2022 • Awarded for outstanding academic potential; extended in 2019
- 2021 **Prize for Outstanding Performance in the MSc Big Data and Digital Futures at the university of Warwick (United Kingdom)**
• Best overall degree for the cohort of 2020/2021

Conference Participation

- 2022 PolMeth Europe
- 2023 Conference on the Quantitative and Computational Analysis of Textual Data (COMPTXT)
- 2023 ECPR General Conference

Social Engagement

- 2020 **Data Science for Good, Correlaid e.V.**
• Development of an R-Package to access data on the Constance Open Data Portal
- 2010- **Youth work at the young catholic community (KJG Freiburg)**
2015 • Management of a weekly group lesson, organization of youth camps

Skills & Interests

- Languages German (native), English (fluent), Spanish (beginner)
- Societies Student Council (Fachschaft), ISTKON Academic student exchange
- Technology Python, R, PostgreSQL, MS Office, FastAPI