

Christine Hedde - von Westernhagen

Utrecht · Netherlands

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Research interests: Social network analysis, sustainability transitions, complex systems, causal inference.

Education

DEGREE PROGRAMS

Utrecht University, Methodology and Statistics for the Behavioural, Biomedical and Social Sciences, M.Sc. · GPA: 8.44/10 (Dutch grading system) 2021 - 2023

- Course work: Mathematical statistics, survey data analysis, Bayesian statistics, R programming, biomedical statistics, causal inference methods, structural equation modeling, multi-level modeling, psychometrics, supervised and unsupervised learning methods
- Thesis: "Predicting Covid-19 infections using multi-layer centrality measures" (Supervisors: Javier Garcia-Bernardo, Ayoub Bagheri) · Grade: 8.5

University of Bremen, Political Science, B.A. · GPA: 1.44 (German grading system) 2017 - 2021

- Specializations: Political System of Germany, Comparative Politics and European Politics, Policy and Welfare State Research, Quantitative Research Methods
- Thesis: "Colonial-Era Missions and Long-Term Consequences for Education in Africa: A Replication Study" (Supervisors: Bastian Becker, Nate Breznau) · Grade: 1.3

ADDITIONAL COURSES

Radboud University Nijmegen, Summer School on Social Research Methods, "Inferential Network Analysis" 07/2022

Employment

PhD Candidate, *Eindhoven University of Technology*, Department of Industrial Engineering and Innovation Sciences 09/2023 - 2026

- Research for the ERC project "FAST: Fostering social tipping dynamics to accelerate sustainability transitions", Supervisor: Floor Alkemade

Student Research Assistant, *Utrecht University*, Department of Methodology and Statistics 10/2022 - 08/2023

- Large scale data preparation for the *ODISSEI* summer school on Computational Social Science
- Data analysis and writing for a paper about Covid-19 transmission in the Dutch population
- Maintaining the website of the Natural Language Processing Group

Tutor for statistics, *University of Bremen*, Faculty of Social Sciences 10/2020 - 04/2021

Student Research Assistant, *University of Bremen*

ERC Project "The Legacy of Colonialism: Origins and Outcomes of Social Protection" 11/2019 - 09/2020

- Digitizing historical data sources, editing and visualization of geospatial data, writing for publication

Project “Moving for the Kids”

01/2019 - 12/2019

- Management of survey data, acquisition of administrative data, data analyses
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Volunteering

CorrelAid

09/2020 - 12/2021

- Project lead for automating R Markdown reports in cooperation with *Citizens for Europe*
- Participation in internal workshops and organisational tasks

University of Bremen

12/2019 - 10/2020

- Member of the appointments committee for the chair of *Sociology and Quantitative Research Methods for the Social Sciences*
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Skills

Languages

German (native)

English (fluent, Cambridge Certificate in Advanced English - 205pts./CEFR C2)

French (intermediate)

Dutch (intermediate)

Software and Programming

R (incl. R Markdown and Shiny), Python, Stata, Git, L^AT_EX, QGIS

Projects and Publications

Data Analysis and Visualization

Co-authorship network of the *SOCIUM* research center

- Data collection for a term paper on network analysis at the University of Bremen [Repository]
- Tutorial on network analysis in R and Python (given at a *CorrelAid Bremen* meet-up, [Repository])

Academic Writing

Hedde-von Westernhagen, C., Garcia-Bernardo, J., Bagheri, A. (*submitted*): Predicting Covid-19 Infections Using Multi-layer Centrality Measures in Population-scale Networks.

Hedde-von Westernhagen, C., Becker, B. (2022): Mapping Missions: New Data for the Study of African History, *Research Data Journal for the Humanities and Social Sciences*, 7(1), 1-33. <https://doi.org/10.1163/24523666-bja10027>

- *Dataset*: Hedde - von Westernhagen, C., Becker, B. (2022). “Mapping Missions: New Data for the Study of African History (Dataset)”, <https://doi.org/10.7910/DVN/EgEEMQ>, Harvard Dataverse, V1

References

Javier Garcia-Bernardo, PhD: Assistant Professor at the Department of Methodology and Statistics, Utrecht University, Padualaan 14, 3584 CH Utrecht. j.garciabernardo@uu.nl ✉

Bastian Becker, PhD: Interim Chair of Comparative Politics, Department of Social Sciences, Humboldt University Berlin, Universitätsstrasse 3b, 10117 Berlin. bastian.becker@hu-berlin.de ✉