















Jan Lorenz

Assistant Professor of Social Data Science at Constructor University

Contact

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-  GitHub: janlorenz
-  Bluesky: janlo.de
-  Mastodon: datasci.social/janlo
-  LinkedIn

Programming

- R** 10+ yrs.
- NetLogo** 10+ yrs.
- Python** 2 yrs.
- Quarto** 3 yrs.

Summary

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Academic Positions

Besides my first two and a half year postdoc at ETH Zurich, I have been working mostly in the larger Bremen Research Area with a focus on Jacobs/Constructor University. This is the full list.

Assistant Professor of Social Data Science

2022-04 - 2028-03

School of Business, Social and Decision Sciences
Constructor University Bremen gGmbH (former Jacobs University)

Study Program Co-Coordinator for *MSc. in Data Science for Society and Business*

Postdoctoral Fellow

2019-04 - 2021-12

Department of Psychology and Methods
Jacobs University Bremen gGmbH

Position in the DFG funded research project ToRealSim (PI: Klaus Boehnke, mainly authored by Jan Lorenz)

Research Associate

2019-01 - 2019-09

Complex Systems Lab, Institute for Theoretical Physics
Universität Bremen

Supervisor: Stefan Bornholdt

Postdoctoral Researcher (80%)

2018-03 - 2018-09

Department of Computational Social Science
GESIS Leibniz-Institut für Sozialwissenschaften, Köln

Supervisor: Claudia Wagner

Postdoctoral Fellow

2014-10 - 2017-09

Department of Psychology and Methods
Jacobs University Bremen gGmbH

PI (eigene Stelle) in the DFG funded research project Opinion Dynamics and Collective Decisions: Procedures, Behavior, and Systems Dynamics

Lecturer (50%)

2014-04 - 2014-09

Institut für Sozialwissenschaften
Carl von Ossietzky Universität Oldenburg

Political Science Seminars, Supervisor: Markus Tepe

Postdoctoral Fellow

2012-10 - 2014-03

School of Humanities and Social Sciences

Working on the project *Social Cohesion Radar* funded by the Bertelsmann Stiftung (PI: Klaus Boehnke)

Skills

Data Analysis 10+ yrs.



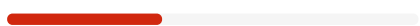
Agent-based Modeling 10+ yrs.



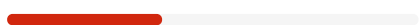
Applied Mathematics 15+ yrs.



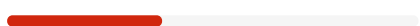
Network Analysis 10+ yrs.



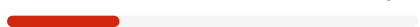
Text Analysis 5 yrs.



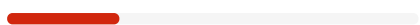
Political Science 10+ yrs.



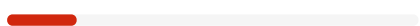
Economics 10+ yrs.



Psychology 10+ yrs.



Sociology 10+ yrs.



Tools

- Positron/RStudio
- Git
- Terminal
- Ubuntu Linux

Education

09/2012 - 11/2015

Ph.D. Computer Science

University of Konstanz

Thesis: Positional Approach for Network Centrality

10/2006 - 07/2012

Businessmathematics (Dipl.)

Karlsruhe Institute of Technology

Thesis: Modularity Maximization

Research Associate (50-75%)

Institut für Sozialwissenschaften
Carl von Ossietzky Universität Oldenburg

Research and Manager of Experimental Lab, Supervisor: Bernhard Kittel

2010-01 - 2012-09

Postdoc (50-75%)

Chair of Systems Design
ETH Zurich

Supervisor: Frank Schweitzer

2007-04 - 2009-10

Education

Habilitation

Computational Social Science
Jacobs University Bremen

Finalized 2017-10

Dr. rer. nat. Mathematics

Universität Bremen
Supervisor: Ulrich Krause, Rainer Hegselmann

2004-01 - 2007-03

Diplom Mathematiker

Universität Bremen

Finalized 2003-03

Grants

R packages

Creator and Maintainer

edgebundle, graphlayouts, levelnet, netrankr, netUtils, networkdata, PSAWR, roughnet, roughsf, rtot, Rtumblr, signnet, snahelper, webbotparseR, webtrackR

R packages

Contributor

backbone, ggraph, multigraphr, netropy, rang, rgraph6

Quarto extensions

Creator and Maintainer

Academicons (shortcodes), Blackboard (revealjs theme), sketchy (html theme), share buttons (filter), nutshell (filter), quartocities (website template), quartocv (cv templates)

soccerverse.com (football analytics website)

Creator and Maintainer

Manual and automated gathering of football results around the world, Harmonizing data (e.g. club names and managers), Implementation of ranking algorithms, Predicting of league tables and matchforecasting, Uses R, JavaScript, HTML, and CSS, around 1000 visitors/month

Memberships

Awards

Teaching

Scientific Services

Publications

📌 *Google Scholar* profile by recent years ↓

📌 *Google Scholar* profile by citation impact ★

1. Gestefeld, M., Lorenz, J., Henschel, N. T., & Boehnke, K. (2022). Decomposing attitude distributions to characterize attitude polarization in Europe. *SN Social Sciences*, 2(7), 110. <https://doi.org/10.1007/s43545-022-00342-7>