

ALEXANDER BRAND

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EDUCATION

University of Bamberg (MA): Master in Sociology — 1.3

Master thesis (Department of Information Systems and Social Networks):
Structuring and Negotiation Mechanisms
in Longitudinal Educational Networks - An Analysis of the PISA
Multi-Level Network using an Agent Based Simulation Study

2017 - 2019

University of Bamberg (BA) Bachelor in Sociology — 1.9

Bachelor thesis (Junior professorship of Sociology with focus on the internet):
Genderlock(ed)? An examination of the discourse on
the (self)image of female players using the example of AskReddit

2013 - 2017

Gymnasium Marktbreit — 2.0

A - Level

2005 - 2013

WORKING EXPERIENCE

Institute of Social Sciences

University of Hildesheim
Research Assistant in the EPINETZ - Project
Research on combining Natural Language Processing
Techniques with Network Analysis for the analysis of
heterogenous data sources (Reports, Twitter, News)

Oktober 2021 - today

Chair of Human-Computer Interaction

University of Bamberg
Research Assistant (Parental Leave Representative)
Research on network factors in recommendation systems
and conception, implementation,
Evaluation of the exercises for the course Interactive Systems.

July 2019 - September 2021

Chair for Economics, esp. Empirical Microeconomics

University of Bamberg
Student Assistant
Preparation of data sets for further analysis

June 2016 - June 2019

Department of Sociology, esp. Sociological Theory

University of Bamberg
Student Assistant
Research on cooperation structures within
the PISA project as well as construction and analysis of multi-level networks

May 2017 - June 2019

SOFTWARE AND LANGUAGES

Languages

English: fluent, Latin: big latinum

Programming Languages

Python, R, Netlogo, Julia

Statistical Software & Tools

Stata, SPSS

Other

Microsoft Office, Markdown, Gephi, MAXQDA, L^AT_EX

RESEARCH INTERESTS

Computational Social Science

Web scraping, data mining and analysis using network analysis and natural language processing methods

Methods of Empirical Social Research

In particular, analysis of social science data using various forms of regression analysis and classification methods in R and Python

Agent Based Modeling

Especially modelling of action and cooperation structures in networks in R and Netlogo

Internet sociology

Qualitative and quantitative approaches to the analysis of dissemination, conflicts and collective decision-making processes in digital spaces with a focus on social media

EXTRA-CURRICULAR

Member of the German Sociological Association

Member of German Association for Network Research

Member of German Informatics Society