

# ALEXANDER BRAND

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## EDUCATION

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

Master thesis: 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: 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

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### **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 - today*

### **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*

## TEACHING EXPERIENCE

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### **Department of Information Systems and Social Networks,**

#### **Course: Tutorial SNA-NET-M: Network Theory**

University of Bamberg  
Supplementary tutorial to the lecture of Prof. Dr. Kai Fischbach *June 2019*

### **ECPR Winterschool, Course: Python Programming for Social Sciences:**

#### **Collecting, Analyzing and Presenting Social Media Data**

University of Bamberg  
Teaching Assistant of Taehee Kim *March 2019*

### **Political Theory, Course: Introduction for Agent-based Modeling of social and political systems with NetLogo**

University of Bamberg  
Teaching Assistant of Daniel Mayerhoffer *October 2018*

### **ECPR Winterschool, Course: Automated Web Data Collection with R**

University of Bamberg  
Teaching Assistant of Jan R. Riebling *March 2018*

## SELECTED PRESENTATIONS AT SYMPOSIA

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### **ASI Annual Meeting 2019, Gesis Cologne**

Social Inequality in the Sharing Economy  
with Wieczorek, Oliver and Dörner, Niklas

*November 2019*

### **European Conference on Social Networks 2019, ETH Zurich**

Structuring and Negotiation Mechanisms  
in Longitudinal Educational Networks - An Analysis of the PISA  
Multi-Level Network using an Agent Based Simulation Study

*September 2019*

### **Historical Network Research Conference 2018**

Masaryk University, Brno  
State of the Union: Semantic Topic Network Structures  
in Historical Enunciative Practices

*September 2018*

### **Student Sociology Congress 2017**

Chemnitz University of Technology  
Genderlock(ed)? An examination of the discourse on the (self)image  
of female players using the example of AskReddit

*September 2017*

## SOFTWARE AND LANGUAGES

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### **Languages**

English: fluent, Latin: big latinum

### **Programming Languages**

Python, R, Netlogo, Julia

### **Statistical Software & Tools**

Stata, SPSS

### **Other**

Microsoft Office, Markdown, Gephi, MAXQDA, L<sup>A</sup>T<sub>E</sub>X

## RESEARCH INTERESTS

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### **Computational Social Science**

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

### **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

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Member of the German Sociological Association  
Member of German Association for Network Research  
Member of German Informatics Society  
Member of AKS (Arbeitskreis Soziologie Bamberg e.V.)