Dr. Matthias **Haber**

RESEARCH SCIENTIST

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"The secret of getting ahead is getting started."

Education

University of Mannheim *Mannheim, Germany*

PHD. POLITICAL SCIENCE *Sep. 2010 - Jul. 2015*

- Completed an interdisciplinary graduate school program in political science, economics, and psychology.
- Specialized in Bayesian inference, machine learning, and automatic text analysis using tools such as R, Jacks, RapidMiner, and Python.

University of Essex *Colchester, UK*

MA. POLITICAL SCIENCE *Sep. 2009 - Sep. 2010*

- Completed a program in political science focusing on statistical learning and public opinion measurement using Stata and R.

University of Potsdam *Potsdam, Germany*

BA. POLITICAL SCIENCE *Oct. 2006 - Aug. 2009*

- Completed a program in political science and English linguistics focusing on electoral politics and voting behavior.

Experience

Hertie School of Governance *Berlin, Germany*

RESEARCH SCIENTIST *May 2015 - PRESENT*

- Lead a team of researchers and data analysts and provide solutions for collecting, analyzing, and visualizing data.
- Evaluate the impact of public policy and advice policy makers and international organizations.
- Responsible for both the technical development and quality control using tools such as R, Git, PostgreSQL, Plotly and JavaScript (D3).
- Teach graduate level classes in machine learning and data science.

University of Mannheim *Mannheim, Germany*

RESEARCH ASSOCIATE *Aug. 2010 - May 2015*

- Developed new methods to turn text into data and analyzed trends on social media using R, Jacks, and SQLite
- Co-develop a novel general population survey and ran several survey experiments.
- Taught classes in statistics and research design.

Berlin State Assembly *Berlin, Germany*

PERSONAL ASSISTANT TO MP *Mar. 2007 - Sep. 2009*

- Developed presentations and policy proposals, organized political events, and created press material and web content.

Berlin Green Party *Berlin, Germany*

CAMPAIGN MANAGER *Jan. 2007 - Sep. 2009*

- Organized political events, convinced voters, and managed local electoral campaigns.

Projects

Interactive Performance Indicators *governancereport.org*

RESEARCH SCIENTIST *May 2015 - PRESENT*

- Created the empirical foundation and interactive visualization tools for the Schools' ongoing publication series.

Berggruen Governance Index *berggruen.org*

RESEARCH SCIENTIST *May 2015 - June 2017*

- Wrote a number of web crawlers and used a Bayesian hierarchical model to create a worldwide index of governance capacity.

Culture and Democracy Framework

Council of Europe

Principle Investigator

May 2015 - Mar. 2017

- Created a framework that allows to explore how culture impacts the quality of democracy.

European Governance Monitor

dahrendorf-forum.eu

Research Advisor

Jan. 2016 - May 2017

- Helped develop a tool to monitor the effectiveness of economic and social policies in EU countries.

Reshaping Cultural Policies

UNESCO

Research Advisor

May. 2015 - Dec. 2015

- Co-developed an indicator system to monitor the diversity of cultural expression around the World.

German Internet Panel Survey

gesellschaft-im-wandel.de

Researcher

Jan. 2011 - May 2015

- Co-developed a probability-based longitudinal online survey on political and economic attitudes and preferences in Germany.

Publications ──────────────────────────

Democratic Innovations for Re-Engaging Citizens

Governance Report 2017

Author

Apr. 2017

- Econometric analysis of time series data.

Preference Divergence Between Sister Parties

Party Politics

Co-author

Dec. 2016

- Machine learning application to classify text.

Improving Public Procurement

Governance of Infrastructure

Author

Jul. 2016

- Item response model application to measure public procurement performance.

Leadership Competition and Disagreement

British Journal of Political Science

Co-author

Jul. 2016

- Machine learning application to classify text.

Governance Indicators

Governance Report 2016

Author

Apr. 2016

- Bayesian hierarchical model application to measure infrastructure performance.

The Legislative Consequences of Dividedness

Research & Politics

Author

Jun. 2015

- Machine learning application to classify text.

The Consequences of Appearing Divided

Electoral Studies

Co-author

Mar. 2015

- Statistical analysis to predict voting behavior.

Skills ──────────────────────────

Programming   R, LaTeX, Stan, SQLite, PostgreSQL, HTML, CSS, Git/GitHub, Python, Tableau, MS Office

Statistics   Stata, SPSS, Mathematica

Languages   German, English, French