

# carstenschwemmer

computational social scientist

## about

22/02/1988

Princeton University

Center for Information  
Technology Policy

303 Sherrerd Hall  
Princeton, NJ 08544

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carstenschwemmer.com

## languages

first language: german  
fluent: english  
basics: french

## software

LimeSurvey  
Latex  
Microsoft Office  
SPSS  
Stata

## programming

Python  
R

## coding projects

github://cschwem2er

## interests

computational social science, political sociology, political communication, ethnic minority studies, social media, social inequality, natural language processing, network analysis

## education

2016-2019	<b>PhD (summa cum laude - with highest distinction)</b> Thesis: Computational Methods for the Social Sciences Applications to the Study of Ethnic Minorities	University of Bamberg
2013-2015	<b>Master of Arts (grade: 1.2 - with honors)</b> Majoring in Sociology Specialization in Computational Methods	University of Bamberg
2009-2013	<b>Bachelor of Arts (grade: 1.8)</b> Majoring in Sociology	University of Bamberg
2003-2009	<b>German A-Levels</b>	Schiller Gymnasium Hof

## experience

since 2019	<b>Postdoctoral Research Associate</b> Princeton University, Center for Information Technology Policy	Postdoc
since 2019	<b>Lecturer for Computational Social Science</b> Institute for Social Sciences, Stuttgart University	Postdoc
2015- 2019	<b>Lecturer for Methods of Political Sociology and Quantitative Text Analysis</b> Chair of Political Sociology, Bamberg	Research Associate
2019	<b>Research Fellow at Weizenbaum Internet Institute</b> Weizenbaum Institute, Berlin	Junior Fellow
2018 - 2019	<b>Assistant Professor for Social Science Data Collection and Analysis (fixed term)</b> Center for Data and Methods, University of Konstanz	Assistant Professor
June 2018	<b>Academic Visitor at Nuffield College</b> University of Oxford	Visiting Scholar
2017-2018	<b>Teaching Assignment for Data Scraping</b> Humboldt University of Berlin	Associate Lecturer
2015-2018	<b>Teaching Assistant for Programming in the Social Sciences</b> ECPR Winter School, Bamberg	Teaching Assistant
2015-2017	<b>Project Pathways to Power: The Political Representation of Citizens of Immigrant Origin</b> Chair of Comparative Politics, Bamberg	Research Associate
2015	<b>Network Analysis, Programming</b> Chair of Business Informatics (Social Networks), Bamberg	Research Assistant

2015	<b>Tutor for Programming and Natural Language Processing</b> Chair of Sociology, Bamberg	Research Assistant
2015	<b>Tutor for Online Research Methods</b> Chair of Internet Sociology, Bamberg	Research Assistant
2014-2015	<b>Data Generation</b> DIW - German Institute for Economic Research, Berlin	Research Assistant
2011-2015	<b>Tutor for Data Analysis, Survey Administration</b> Chair of Empirical Social Research, Bamberg	Research Assistant
2011-2015	<b>Empirical Research, Questionnaire Design, Scientific Methods</b> Chair of Business Administration (HRM), Bamberg	Research Assistant
2010-2013	<b>Data Analysis, Cognitive Interviewing</b> Leibniz Institute for Educational Trajectories, Bamberg	Research Assistant & Internship

## publications

### articles in peer-reviewed journals

Whose ideas are worth spreading? The representation of women and ethnic groups in TED talks

Carsten Schwemmer and Sebastian Jungkunz

Political Research Exchange (Sept. 2019)

DOI: [10.1080/2474736X.2019.1646102](https://doi.org/10.1080/2474736X.2019.1646102), URL: <https://osf.io/preprints/socarxiv/d69vw/>

The Methodological Divide of Sociology - Evidence From Two Decades of Journal Publications

Carsten Schwemmer and Oliver Wieczorek

Sociology (June 2019)

DOI: [10.1177/0038038519853146](https://doi.org/10.1177/0038038519853146), URL: <https://osf.io/preprints/socarxiv/s59bp/>

Collective Sense-Making in Times of Crisis: Connecting Terror Management Theory with Twitter Reactions to the Berlin Terrorist Attack

Diana Fischer-Preßler, Carsten Schwemmer, and Kai Fischbach

Computers in Human Behavior (May 2019)

DOI: [10.1016/j.chb.2019.05.012](https://doi.org/10.1016/j.chb.2019.05.012), URL: <https://osf.io/preprints/socarxiv/p47b6/>

MPs' Principals and the Substantive Representation of Disadvantaged Immigrant Groups

Lucas Geese and Carsten Schwemmer

West European Politics (Jan. 2019)

DOI: [10.1080/01402382.2018.1560196](https://doi.org/10.1080/01402382.2018.1560196), URL: [https://www.carstenschwemmer.com/files/geese\\_schwemmer\\_wep\\_preprint.pdf](https://www.carstenschwemmer.com/files/geese_schwemmer_wep_preprint.pdf)

Social Media Sellout - The Increasing Role of Product Promotion on YouTube

Carsten Schwemmer and Sandra Ziewiecki

Social Media and Society (Aug. 2018)

DOI: [10.1177/2056305118786720](https://doi.org/10.1177/2056305118786720), URL: <https://osf.io/preprints/socarxiv/tskjb>

Ride with Me - Ethnic Discrimination, Social Markets and the Sharing Economy

Jasper Dag Tjaden, Carsten Schwemmer, and Menusch Khadjavi

European Sociological Review (July 2018)

DOI: [10.1093/esr/jcy024](https://doi.org/10.1093/esr/jcy024), URL: <https://osf.io/preprints/socarxiv/gefsx>

The Impact of Candidate Selection Rules and Electoral Vulnerability on Legislative Behavior in Comparative Perspective

Jorge M. Fernandes, Lucas Geese, and Carsten Schwemmer

European Journal of Political Research (Apr. 2018)

DOI: [10.1111/1475-6765.12281](https://doi.org/10.1111/1475-6765.12281), URL: <https://osf.io/preprints/socarxiv/ujgt7>

Xenophobia before and after the Paris 2015 Attacks. Evidence from a Natural Experiment

Sebastian Jungkunz, Marc Helbling, and Carsten Schwemmer

Ethnicities (Feb. 2018)

DOI: [10.1177/1468796818757264](https://doi.org/10.1177/1468796818757264), URL: <https://osf.io/preprints/socarxiv/eykw2>

Election proximity and representation focus in party-constrained environments

Jorge M. Fernandes, Cristina Leston-Bandeira, and Carsten Schwemmer

Party Politics (Feb. 2017)

DOI: [10.1177/1354068817689955](https://doi.org/10.1177/1354068817689955), URL: <https://osf.io/preprints/socarxiv/usfbd>

## articles in peer-reviewed conference proceedings

Media Bias Towards African-Americans Before and After the Charlottesville Rally

Julia Leschke and Carsten Schwemmer

The 2nd Weizenbaum Conference - Challenges of Digital Inequality - Digital Education, Digital Work, Digital Life, May 2019

DOI: [10.34669/wi.cp/2.25](https://doi.org/10.34669/wi.cp/2.25)

Terror Management and Twitter: The Case of the 2016 Berlin Terrorist Attack

Diana Fischer, Carsten Schwemmer, and Kai Fischbach

15th International Conference on Information Systems for Crisis Response and Management, May 2018

URL: <https://osf.io/preprints/socarxiv/964dc>

Content Reconstruction of Parliamentary Questions. Combining Metadata with an OCR Process

Fotios Fitsilis, Thomas Saalfeld, and Carsten Schwemmer

The 5th International Virtual Conference on Advanced Scientific Results, June 2017

DOI: [10.18638/scieconf.2017.5.1.448](https://doi.org/10.18638/scieconf.2017.5.1.448), URL: <http://scieconf.com/archive/?vid=1&aid=2&kid=90501-448>

## open source software

imgrec: Image Recognition with R

Carsten Schwemmer, 2019

URL: <https://cschwem2er.github.io/imgrec>

pathways: A Package for Exploring the Pathways Corpus

Carsten Schwemmer, 2018

URL: <https://cschwem2er.github.io/pathways>

stminsights: A Shiny Application for Inspecting Structural Topic Models

Carsten Schwemmer, 2018

URL: <https://cschwem2er.github.io/stminsights>

sjPlot: Data Visualization for Statistics in Social Science

Daniel Lüdtke (Creator / Maintainer) and Carsten Schwemmer (Contributor), 2017

URL: <https://strengjacke.github.io/sjPlot/>

## articles under review

Social Media Strategies of Right-Wing Movements - The Radicalization of Pegida

Carsten Schwemmer

URL: <https://osf.io/preprints/socarxiv/js73z>

## working papers

The Politics of Social Media Images: Potentials and Biases of Image Recognition Algorithms for Studying Congressional Behavior

Carsten Schwemmer, Emily Bello-Pardo, Carly Knight, Jeff Lockhart, Stan Oklobdzija, Iacopo Pozzana, and Schoonvelde

URL: <https://osf.io/preprints/socarxiv/as25q/>

Using Legislative Speech to Unveil Conflict Between Coalition Parties

Henning Bergmann, Lucas Geese, Christian Koss, and Carsten Schwemmer

URL: <https://osf.io/preprints/socarxiv/pgnwa>

Immigrants, Immigration and Integration as Topics in Parliamentary Questions – Similarities and Differences in the Discursive Environment of Representation (book chapter)

Lucas Geese, Thomas Saalfeld, Carsten Schwemmer, and Daphne Van der Pas

Immigrant Integration Policies and Descriptive Political Representation (book chapter)

Daniela Vintila, Simona Guerra, Angeliki Konstantinidou, and Carsten Schwemmer

Institutions and Legislative Speech: When Do MPs of Immigrant Origin Get To Speak on the Floor of the Chamber - and What Do They Get to Speak About? (book chapter)

Lucas Geese, Thomas Saalfeld, Carsten Schwemmer, and Jean-Benoit Pilet

Self-Selection or Delegation in Committee Assignments? A Case Study of British Select Committees, 2005-2015

Jorge M. Fernandes, Thomas Saalfeld, and Carsten Schwemmer

Parliamentary Careers, Electoral Vulnerability and Constituency Focus in the British House of Commons, 2001-2015

Thomas Saalfeld and Carsten Schwemmer

## conferences & workshops

Social Media Strategies of Right-Wing Movements – The Radicalization of Pegida

Carsten Schwemmer

European Symposium on Societal Challenges in Computational Social Science - Polarization and Radicalization, Sept. 2019, Zurich

Whose Ideas are Worth Spreading? The Representation of Women and Ethnic Groups in TED Talks

Carsten Schwemmer and Sebastian Jungkunz

Digital Societies - Academy of Sociology 2nd Conference, Sept. 2019, Constance

Organizer of SICSS 2019 Bamberg Partner Institute

Carsten Schwemmer

Summer Institute in Computational Social Science, Aug. 2019, Bamberg

Potentials and Biases of Image Recognition Algorithms

Carsten Schwemmer, Emily Bello-Pardo, Carly Knight, Jeff Lockhart, Stan Oklobdzija, and Martijn Schoonvelde

IC2S2 - 5th International Conference on Computational Social Science, July 2019, Amsterdam

Tutorial - Structural topic models for enriching quantitative text analysis

Cornelius Puschmann and Carsten Schwemmer

IC2S2 - 5th International Conference on Computational Social Science, July 2019, Amsterdam

Media Bias Towards African-Americans Before and After the Charlottesville Rally

Julia Leschke and Carsten Schwemmer

The 2nd Weizenbaum Conference - Challenges of Digital Inequality, May 2019, Berlin

The Politics of Social Media Images: Potentials and Biases of Image Recognition Algorithms for Studying Congressional Behavior

Carsten Schwemmer, Emily Bello-Pardo, Carly Knight, Jeff Lockhart, Stan Oklobdzija, Iacopo Pozzana, and Martijn Schoonvelde

European Symposium Series on Societal Challenges in Computational Social Science, Dec. 2018, GESIS, Cologne

Ride with Me - Ethnic Discrimination, Social Markets and the Sharing Economy

Carsten Schwemmer, Jasper Dag Tjaden, and Menusch Khadjavi

ECSR Conference on Causes and Consequences of Inequalities in Europe, Oct. 2018, Sciences Po, Paris

Parliamentary Careers, Electoral Vulnerability and Constituency Focus in the British House of Commons, 2001-2015

Thomas Saalfeld and Carsten Schwemmer

ECPR General Conference in Panel "Non-Legislative Activity in Legislatures", Aug. 2018, University of Hamburg

CSS 2018

Carsten Schwemmer

GESIS Summer School Series on Methods for Computational Social Science, July 2018, University of Southern California

SICSS 2018

Carsten Schwemmer

Summer Institute in Computational Social Science, June 2018, Duke University

Social Media Sellout – The Increasing Role of Product Promotion on YouTube

Carsten Schwemmer

Weizenbaum Symposium 2018 - The Future of Work and Innovation in a Networked Society, May 2018, Technische Universität, Berlin

### The Representation of Disadvantaged Groups in the Digital Sphere - TED Talks and their Public Perception on YouTube

Carsten Schwemmer

European Symposium Series on Societal Challenges in Computational Social Science, Nov. 2017, Alan Turing Institute, London

### Communication Dynamics of Populist Movements: An Analysis of the German Protest Group Pegida

Carsten Schwemmer

Annual BAGSS Conference in Panel "Xenophobia", Sept. 2017, University of Bamberg

### Ride with me. Ethnic Discrimination in Online Car-Pooling Markets

Jasper Tjaden, Carsten Schwemmer, and Menusch Khadjavi

International Conference on Computational Social Science, July 2017, Cologne

### We are the people. Communication dynamics of the right-wing movement PEGIDA

Carsten Schwemmer

GESIS Computational Social Science Wintersymposium, Dec. 2016, Cologne

### Substantive Representation and CIO MPs: Topic Models and Sentiment Analysis of Legislative Speech

Lucas Geese, Thomas Saalfeld, Carsten Schwemmer, and Daphne Van der Pas

ECPR General Conference in Panel "Assessing the Inclusion of Citizens of Immigrant Origin in National Parliaments in Europe", Sept. 2016, University of Prague

### Institutions and Legislative Speech: When Do MPs of Immigrant Origin Get To Speak on the Floor of the Chamber - and What Do They Get to Speak About?

Lucas Geese, Thomas Saalfeld, Carsten Schwemmer, and Jean-Benoit Pilet

ECPR General Conference in Panel "Parliamentary Rules and the Representation of Minority Preferences", Sept. 2016, University of Prague

### We are the people. Dynamics of the right-wing movement PEGIDA

Carsten Schwemmer

KOSMOS Workshop "Migrants, Refugees and Global Justice: Comparative Perspectives in Societies of Migration" in Plenary Session "Immigration and Racism", Sept. 2016, Humboldt University of Berlin

### Xenophobia before and after the Paris 2015 Attacks. Evidence from a Natural Experiment

Sebastian Jungkunz, Marc Helbling, and Carsten Schwemmer

KOSMOS Workshop "Migrants, Refugees and Global Justice: Comparative Perspectives in Societies of Migration" in Plenary Session "Immigration and Racism", Sept. 2016, Humboldt University of Berlin

### The Substantive Representation of Immigrant-Origin Citizens in Germany's Mixed-Member System

Lucas Geese and Carsten Schwemmer

Annual BAGSS Conference in Panel "Migration", July 2016, University of Bamberg

### Substantive Representation and CIO MPs: A First Approach in Four European Democracies

Lucas Geese, Thomas Saalfeld, Carsten Schwemmer, and Daphne Van der Pas

ECPR Joint Session Workshop "The Representation of Citizens of Immigrant Origin in Established Democracies", Apr. 2016, University of Pisa

### Substantive Representation and immigrant-origin MPs: First content analysis of legislative floor activities

Lucas Geese, Thomas Saalfeld, and Carsten Schwemmer

PATHWAYS workshop "Presentation of preliminary findings event", Feb. 2016, London Institute for Government

### Anwendungen von Topic Models auf einen Text-Corpus mit parlamentarischen Fragen in Großbritannien

Lucas Geese, Thomas Saalfeld, and Carsten Schwemmer

DARIAH-DE Methodenworkshop "Quantitative Vorauswahl und Validierung für ein qualitatives Arbeiten in den Geisteswissenschaften: Ein iterativer Prozess", Nov. 2015, University of Bamberg

## peer reviews

I reviewed manuscripts for journals such as European Sociological Review and Journal of Ethnic and Migration Studies. A complete list of reviews is available at my Publons profile:

<https://publons.com/researcher/1727119/carsten-schwemmer/peer-review/>

## media mentions

- 2019 **Article about my research on the representation of women and ethnic groups in TED talks.** Economic Times  
<https://economictimes.indiatimes.com/magazines/panache/ted-talks-get-a-spike-in-10-years-influential-speeches-become-new-career-option-for-women/articleshow/71007077.cms>
- 2019 **Radio interview about the use of algorithms for social science research. [in German]** NDR  
<https://www.ndr.de/info/Algorithmen-decken-Diskriminierung-auf,audio555760.html>
- 2019 **Press release about my research related to studying inequalities with computational methods and digital trace data. [in German]** University of Bamberg  
<https://www.uni-bamberg.de/presse/pm/artikel/sozialwissenschaftler-sozialeungleichheiten-internet/>
- 2018 **Radio interview about the Facebook data affair and potential consequences for Social Science Research. [in German]** detektor.fm  
<https://detektor.fm/digital/datenskandal-und-wissenschaft>
- 2018 **Focus online article about my paper "Ride with Me - Ethnic Discrimination, Social Markets and the Sharing Economy". [in German]** Focus Online  
[https://www.focus.de/auto/ratgeber/unterwegs/araber-und-tuerken-im-nachteil-studie-behauptet-mitfahr-dienste-in-deutschland-haben-rassismus-problem\\_id\\_9580399.html](https://www.focus.de/auto/ratgeber/unterwegs/araber-und-tuerken-im-nachteil-studie-behauptet-mitfahr-dienste-in-deutschland-haben-rassismus-problem_id_9580399.html)
- 2018 **Article in the Bild newspaper about my paper "Ride with Me - Ethnic Discrimination, Social Markets and the Sharing Economy". [in German, paywalled]** BILD  
<https://www.bild.de/bild-plus/geld/wirtschaft/wirtschaft/mitfahrgelegenheiten-deutsche-wollen-nicht-mit-auslaendern-fahren-57034484>

## awards, grants & scholarships

- 2019      **Funding for SICSS Partner Institute by Russel Sage Foundation, Sloan Foundation and Bamberg Graduate School of Social Science**  
<https://compsocialscience.github.io/summer-institute/2019/bamberg/>
- 2018      **Best Poster Award**  
European Symposium Series on Societal Challenges in Computational Social Science, Cologne
- 2018      **Runner Up for Best Project Award**  
GESIS Summer School Series on Methods for Computational Social Science, Los Angeles
- 2018      **Russell Sage Foundation: Support Grant for Summer Institute in Computational Social Science**  
Duke University
- 2016      **Bamberg Graduate School of Social Science: One Year PhD Starter Scholarship**  
University of Bamberg

## teaching

SS 2019	<b>Summer Institute: Automated Text Analysis</b> SICSS 2019 Bamberg. <a href="https://github.com/compsocialscience/summer-institute/tree/master/2019/bamberg/materials/day4-text-analysis">https://github.com/compsocialscience/summer-institute/tree/master/2019/bamberg/materials/day4-text-analysis</a>	-
SS 2019	<b>Summer Institute: Collecting Digital Trace Data</b> SICSS 2019 Bamberg. <a href="https://github.com/compsocialscience/summer-institute/tree/master/2019/bamberg/materials/day2-digital-trace-data">https://github.com/compsocialscience/summer-institute/tree/master/2019/bamberg/materials/day2-digital-trace-data</a>	-
SS 2019	<b>Summer Institute: Ethics</b> SICSS 2019 Bamberg. <a href="https://github.com/compsocialscience/summer-institute/raw/master/2019/bamberg/materials/day1-ethics/">https://github.com/compsocialscience/summer-institute/raw/master/2019/bamberg/materials/day1-ethics/</a>	-
SS 2019	<b>Tutorial: Structural topic models for enriching quantitative text analysis</b> IC2S2 Conference. <a href="https://github.com/cbpuschnmann/stm_ic2s2">https://github.com/cbpuschnmann/stm_ic2s2</a>	-
SS 2019	<b>Workshop: Introduction to Structural Topic Modeling</b> Weizenbaum Institute for the Networked Society	-
SS 2019	<b>Hands-On Introduction to Data Scraping</b> University Of Bamberg	avg. evaluation: 6.17 / 7
WS 2018/19	<b>Introduction to Quantitative Text Analysis</b> University of Constance	avg. evaluation: 1.33 (1 = "best")
WS 2018/19	<b>Hands-On Introduction to Data Scraping</b> University of Constance	avg. evaluation: 1.86 (1 = "best")
SS 2018	<b>Hands-On Introduction to Data Scraping</b> Skills Camp for Berlin Network of Labor Market Research	avg. evaluation: 6.35 / 7
SS 2018	<b>Hands-On Introduction to Data Scraping</b> Skills Camp for Berlin Network of Labor Market Research	avg. evaluation: 6.35 / 7
SS 2018	<b>Methods of Political Sociology</b> University Of Bamberg	avg. evaluation: 5.83 / 7
WS 2017/18	<b>Introduction to Data Scraping</b> Humboldt University Berlin	avg. evaluation: 6.06 / 7
WS 2017/18	<b>Introduction to Quantitative Text Analysis</b> University of Bamberg	avg. evaluation: 5.91 / 7
SS 2017	<b>Introduction to Data Scraping</b> Humboldt University Berlin	avg. evaluation: 6.33 / 7
SS 2017	<b>Methods of Political Sociology</b> University of Bamberg	avg. evaluation: 6.28 / 7
WS 2016/17	<b>Methods of Political Sociology</b> University of Bamberg	avg. evaluation: 6.75 / 7
SS 2016	<b>Methods of Political Sociology</b> University of Bamberg	avg. evaluation: 6.50 / 7
WS 2015/16	<b>Methods of Political Sociology</b> University of Bamberg	avg. evaluation: 6.50 / 7
WS 2015/16	<b>Introduction to Quantitative Text Analysis</b> University of Bamberg	avg. evaluation: 5.27 / 7