# carstenschwemmer

Senior Research Associate, Princeton University

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22/02/1988

Princeton University

Center for Information Technology Policy

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### languages

first language: german fluent: english basics: french

#### software

LimeSurvey Latex Microsoft Office SPSS Stata

### programming

Python

## coding projects

github://cschwem2er

## interests

computational social science, political sociology, social media, sociotechnical systems, ethnic studies, natural language processing, images as data, network analysis, survey methodology

## education

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

Postdoc

## **experience**

since 2019

31100 2010	Center for Information Technology Policy, Princeton University	1 Ostaoc
since 2019	<b>Lecturer for Computational Social Science</b> Institute for Social Sciences, Stuttgart University	Postdoc
2019	Research Fellow at Weizenbaum Internet Institute Weizenbaum Institute, Berlin	Junior Fellow
2018 - 2019	Assistant Professor for Social Science Data Collection and Analysis (fixed term) Center for Data and Methods, University of Konstanz	Assistant Professor
2015 - 2019	Lecturer for Methods of Political Sociology and Quantitative Text Analysis Chair of Political Sociology, Bamberg	Research Associate
June 2018	Academic Visitor at Nuffield College 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	Project Pathways to Power: The Political Representation of Citizens of Immigrant Origin 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, Berli	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 Met</b> Chair of Business Administration (HRM), Bamberg	hods Research Assistant
2010-2013	<b>Data Analysis, Cognitive Interviewing</b> Leibniz Institute for Educational Trajectories, Bamber	Research Assistant & Internship

## **publications**

### articles in peer-reviewed journals

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

Carsten Schwemmer and Oliver Wieczorek

Sociology (Feb. 2020)

DOI: 10.1177/0038038519853146, URL: https://doi.org/10.1177/0038038519853146

Die Vernetzung von Influencern – eine Analyse der deutschen YouTube-Szene [in German language]

Sandra Ziewiecki and Carsten Schwemmer

Merz Wissenschaft (Dec. 2019)

 $\label{eq:continuous} \mbox{URL: $https://osf.io/preprints/socarxiv/hj8d4/}$ 

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 (Nov. 2019)

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, URL: https://osf.io/preprints/socarxiv/d69vw/

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

Sebastian Jungkunz, Marc Helbling, and Carsten Schwemmer

Ethnicities (Apr. 2019)

DOI: 10.1177/1468796818757264, URL: https://osf.io/preprints/socarxiv/eykw2

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 (Feb. 2019)

DOI: 10.1111/1475-6765.12281, URL: https://osf.io/preprints/socarxiv/ujgt7

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, URL:  $https://www.carstenschwemmer.com/files/geese\_schwemmer\_wep\_preprint.pdf$ 

Election proximity and representation focus in party-constrained environments

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

Party Politics (Nov. 2018)

DOI: 10.1177/1354068817689955, URL: https://osf.io/preprints/socarxiv/usfbd

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

Jasper Dag Tjaden, Carsten Schwemmer, and Menusch Khadjavi

European Sociological Review (Aug. 2018)

 $\verb|DOI: 10.1093/esr/jcy024, URL: $https://osf.io/preprints/socarxiv/gefsx| \\$ 

#### 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, URL: https://osf.io/preprints/socarxiv/tskjb

## 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

#### 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, URL: http://scieconf.com/archive/?vid=1&aid=2&kid=90501-448

### open source software

pathways: A Package for Exploring the Pathways Corpus

Carsten Schwemmer, 2019

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

imgrec: Image Recognition with R

Carsten Schwemmer, 2019

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

#### stminsights: A Shiny Application for Inspecting Structural Topic Models

Carsten Schwemmer, 2019

 $\label{eq:convenience} \mbox{URL:} \ \mbox{https://cschwem2er.github.io/stminsights}$ 

#### siPlot: Data Visualization for Statistics in Social Science

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

URL: https://strengejacke.github.io/sjPlot/

#### articles under review

#### Social Media Strategies of Right-Wing Movements [Revise & Resubmit]

Carsten Schwemmer

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

#### Diagnosing Gender Stereotypes and Other Cultural Biases in Image Recognition

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

A Paradox of Committee Assignments in the British House of Commons? Partisan and Informational Rationales Jorge Fernandes, Thomas Saalfeld, and Carsten Schwemmer

## current projects & working papers

#### Digital Campaigning Strategies and Deceptive Practices in Political Emails

Arunesh Mathur, Arvind Narayanan, Carsten Schwemmer, Brandon Stewart, and Angelina Wang

#### Computational Social Science and Image Analysis for Studying Online Behavior (book chapter)

Carsten Schwemmer

#### Political Influencers in Germany and the Bypassing of Platform Policies for Political Ads

Carsten Schwemmer

## 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

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

Thomas Saalfeld and Carsten Schwemmer

#### 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

## conferences, talks & workshops

#### Diagnosing Gender Stereotypes and Other Cultural Biases in Image Recognition

Carsten Schwemmer, Emily Bello-Pardo, Carly Knight, Stan Oklobdzija, Martijn Schoonvelde, and Jeffrey Lockhart Center for Information Technology Policy - Lunch Seminar, Feb. 2020, Princeton University

#### Mapping and Accounting for Gender Stereotypes in Commercial Image Recognition Systems

Carsten Schwemmer, Emily Bello-Pardo, Carly Knight, Stan Oklobdzija, Martijn Schoonvelde, and Jeffrey Lockhart Computer Science Group for Biases in Artificial Intelligence, Nov. 2019, Princeton University

#### 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

#### Participant of workshop for Text as Data in the Social Sciences

Carsten Schwemmer

Bamberg Graduate School of Social Sciences, Brandon Stewart, July 2018

#### Participant of CSS 2018

Carsten Schwemmer

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

#### Participant of 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

#### Participant of workshop for Structure Equation Modeling

Carsten Schwemmer

Leibniz-Institut für Bildungsverläufe, Ulrich Schroeders, Feb. 2017

#### 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

#### Participant of workshop for Bayesian Statistics

Carsten Schwemmer

Bamberg Graduate School of Social Science, David Kaplan, May 2016

#### 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, Journal of Ethnic and Migration Studies and Information, Communication & Society. 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

Focus online article about my paper "Ride with Me - Ethnic Discrimination, Social Markets and the Sharing Economy". [in German]

https://www.focus.de/auto/ratgeber/unterwegs/araber-und-tuerken-im-nachteil-studie-behauptet-mitfahr-dienste-in-deutschland-haben-rassismus-problem\_id\_9580399.html

Article in the Bild newspaper about my paper "Ride with Me - Ethnic Discrimination, Social Markets and the Sharing Economy". [in German, paywalled]

https://www.bild.de/bild-plus/geld/wirtschaft/wirtschaft/mitfahrgelegenheiten-deutsche-wollen-nicht-mit-auslaendern-fahren-57034484

## awards, grants & scholarships

2020	Funding for SICSS Partner Institute by Russel Sage Foundation, Sloan Foundation, Academy of Sociology, University of Konstanz and Center for Data and Methods Konstanz  50,000 Euro https://compsocialscience.github.io/summer-institute/2020/konstanz/
2019	Funding for SICSS Partner Institute by Russel Sage Foundation, Sloan Foundation and Bamberg Graduate School of Social Science 30,000 Euro https://compsocialscience.github.io/summer-institute/2019/bamberg/
2018	<b>Best Poster Award</b> European Symposium Series on Societal Challenges in Computational Social Science, Cologne
2018	<b>Best Project Award (Runner Up)</b> GESIS Summer School Series on Methods for Computational Social Science, Los Angeles
2018	<b>Support Grant for GESIS Summer School</b> Bamberg Graduate School of Social Science
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 (declined)  15,000 Euro University of Bamberg

## teaching

SS 2020	<b>Collecting Digital Trace Data</b> University of Stuttgart	tbd	
SS 2019	Summer Institute: Automated Text Analysis SICSS 2019 Bamberg. https://github.com/compsocialscience/summer-institute/tree/master/2019/bamberg/materials/day4-text-analysis		
SS 2019	Summer Institute: Collecting Digital Trace Data SICSS 2019 Bamberg. https://github.com/compsocialscience/summer-institute/tree/master/2019/bamberg/materials/day2-digital-trace-data		
SS 2019	Summer Institute: Research Ethics SICSS 2019 Bamberg. https://github.com/com/institute/raw/master/2019/bamberg/materials		
SS 2019	Tutorial: Structural topic models for enriching quantitative text analysis IC2S2 Conference. https://github.com/cschwem2er/stm_ic2s2		
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 Res	avg. evaluation: 6.35 / 7	
SS 2018	<b>Hands-On Introduction to Data Scraping</b> Skills Camp for Berlin Network of Labor Market Res	avg. evaluation: 6.35 / 7	
SS 2018	<b>Methods of Political Sociology</b> University of Bamberg	avg. evaluation: 5.83 / 7	
WS 2017/18	Introduction to Data Scraping 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	Introduction to Data Scraping 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	Methods of Political Sociology University of Bamberg	avg. evaluation: 6.50 / 7	
WS 2015/16	Methods of Political Sociology University of Bamberg	avg. evaluation: 6.50 / 7	
WS 2015/16	Introduction to Quantitative Text Analysis University of Bamberg	avg. evaluation: 5.27 / 7	