

THERESE ANDERS

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Updated September 2019

ACADEMIC APPOINTMENTS

Hertie School of Governance, Berlin

October 2019–

Post-doctoral fellow/data scientist, SCRIPTS Cluster of Excellence and Hertie Data Science Lab.

EDUCATION

University of Southern California, Los Angeles

sched. 25 September 2019

Ph.D. in Political Science and International Relations

Dissertation *Perspectives on the state capacity and the political geography of conflict* uses computational methods to understand spatial and temporal dynamics of actor behavior in conflict zones. Chair: Patrick James.

Methodology certificate (2015): Completion of courses in advanced statistical analysis, research design, causal inference, data visualization, introductory and advanced machine learning, Python programming.

University of Southern California, Los Angeles

2015

M.A. in Economics

Freie Universität Berlin, Germany

2013

Diplom Degree in Political Science (B.A. and M.A. equivalent)

Duke University, Durham

2010–2011

Non-degree exchange program

Universidad CEU Cardenal Herrera, Valencia, Spain

2010

Non-degree exchange program

PUBLICATIONS

Peer-reviewed articles

- [1] Bread before guns or butter. Introducing Surplus Domestic Product (with Christopher Fariss and Jonathan Markowitz). Accepted at *International Studies Quarterly*.
- [2] *Moral Hazard: German Public Opinion on the Greek Debt Crisis* (with Brian Rathbun and Kathleen Powers). In *Political Psychology*. 2018.

Book chapters

- [3] "In Defeat, Defiance": Churchill in Words (1935–1939) and in Deeds (1940) (with Brian Rathbun). In *Reasoning of State: Realists, Romantics and Rationality in International Relations*. Cambridge and New York: Cambridge University Press. 2019.

Conference proceedings

- [4] Measuring territorial control in civil wars using Hidden Markov Models: A data informatics-based approach (with Hong Xu, Cheng Cheng, and T. K. Satish Kumar). In *Proceedings of the NIPS 2017 Workshop on Machine Learning for the Developing World*. 2017.

UNPUBLISHED MANUSCRIPTS

Under review

- [1] Territorial control in civil wars: Theory and measurement using machine learning. Revise and resubmit at *Journal of Peace Research*.
- [2] Deportation, Crime, and Victimization (with Sandra Rozo and Steven Raphael).
 - Nominated for Juan Luis Londoño Prize at the Latin American and Caribbean Economic Association meeting 2017.

Working papers

- [4] How does Insecurity Affect Government Welfare Spending? Insights from Colombian Municipalities.
- [5] Estimating conflict exposure from event data.
- [6] New Estimates of Over 500 Years of Historic GDP and Population Data (with Christopher Fariss and Jonathan Markowitz).
- [7] Strategic compassion: The determinants of international emergency aid after natural disasters (with Thomas Jamieson).
- [8] Measuring Power Projection (with Jonathan Markowitz, Megan Becker, Jacob Tucker, and Lauren Cholakian).

AWARDS

2018 Kenneth E. Boulding Award for best student paper, ISA Peace Studies Section
2016 Best Graduate Student Paper Award, ISA West Conference
2015 Essay Competition Winner, USC Center for International Studies
2014 Best Graduate Student Paper Award, ISA West Conference

TEACHING

Director of Research and Training	USC Security and Political Economy (SPEC) Lab
<i>Developed curriculum for data science training of graduate and undergraduate RAs</i>	<i>2016–2017</i>

Instructor Training	RStudio Inc.
<i>Data science pedagogy for diverse student groups</i>	<i>July 2019</i>

As instructor

Advanced data visualization in R for Ph.D. students	Summer Methods School, Florida State University
<i>3 four-hour sessions</i>	<i>May 2019</i>

Math and quantitative methods for social science Ph.D. students	USC
<i>Four-day course</i>	<i>Aug 2019, Aug 2018, Aug 2017, Aug 2016</i>

Introduction to \LaTeX for Ph.D. students	USC
<i>Two-hour workshop</i>	<i>Feb 2018, Apr 2016</i>

Maps in R for Ph.D. students	USC
<i>Two-hour workshop</i>	<i>Apr 2017</i>

Data visualization in R	USC
<i>2 two-hour lecture and lab series</i>	<i>Apr 2017</i>

Data management in R	USC
<i>6 two-hour lecture and lab series</i>	<i>Fall 2016</i>

Introduction to R
2 two-hour sessions

USC
Mar 2016

As teaching assistant

Math and quantitative methods for social science Ph.D. students
Four-day course

USC
Aug 2015

GRANTS AND FELLOWSHIPS

2019 USC Graduate School Summer Research and Writing Grant
2018 USC Center for International Studies Graduate Student Research Grant (with Thomas Jamieson)
2018 PolMeth XXXV National Science Foundation (NSF) travel grant
2018 Visions in Methodology (VIM) NSF conference participation travel grant
2017 Peace Science Society travel grant
2017 APSA travel grant
2017 ISA travel grant
2013–2018 USC Winifred Greenleaf Allen Fellowship (tuition and stipend)
2013–2018 USC Dornsife Doctoral Fellow stipend
2013 McGill Graduate Excellence Fellowship (declined).
2012 Internship grant by the German Academic Exchange Service (DAAD)
2010–2011 Fellowship by Freie Universität Berlin and Duke University (tuition and stipend)
2010–2011 Scholarship by the DAAD (stipend)
2010–2011 Ernst-Reuter Fellowship of the Ernst-Reuter Society of the FU Berlin (stipend)
2010 Fulbright Travel Grant (declined)

INVITED PRESENTATIONS

New Faces in Political Methodology XI Conference (Penn State University) April 2019

CONFERENCE PRESENTATIONS

Society for Political Methodology (PolMeth) Annual Meeting	2018
Peace Science Society (PSS) International North American Meeting	2017, 2018
American Political Science Association (APSA) Annual Meeting	2017, 2018, sched. 2019
International Studies Association (ISA) Annual Convention	2015, 2016, 2017, 2018, 2019, sched. 2020
USC Center for International Studies Working Paper Series	2018
Neural Information Processing Systems Workshop <i>Machine Learning for the Developing World</i>	2017
ISA West Annual Meeting	2014, 2015, 2016, 2017
USC Conference <i>Political Economy and Power Projection</i>	2016

PROFESSIONAL EXPERIENCE

RStudio, Inc.
Intern, Calibrated Peer Review

May 2019–current
Boston, MA

Prototype tools to conduct experiments on using calibrated peer review as a feedback strategy in large introductory data science classes (with Mine Çetinkaya-Rundel, Duke University & University of Edinburgh).

Research Center SFB 700 “Governance in Areas of Limited Statehood” <i>Student Assistant to the Management</i>	2011–2013 Berlin, Germany
German Embassy <i>Intern, Political Department</i>	Summer 2012 Washington D.C., USA
German Council on Foreign Relations <i>Intern, Transatlantic Relations Program</i>	Spring 2012 Berlin, Germany
Deutscher Bundestag (German Parliament) <i>Student Assistant to Member of Parliament</i>	2008–2009 Berlin, Germany

RESEARCH EXPERIENCE

Research Assistant to Jonathan Markowitz (USC Center for International Studies)	2016–present
Research Assistant to Brian Rathbun (USC Center for International Studies)	2014–2015
Research Assistant to Stacy Smith (USC Annenberg Inclusion Initiative)	2014

PROFESSIONAL ACTIVITIES

PSS Workshop “Measuring and Conceptualizing Rebel Governance” <i>Invited participant</i>	Kansas State University Nov 2019
Visions in Methodology (VIM) conference <i>Invited participant</i>	Ohio State University May 2018
Dornsife Ph.D. Academy <i>Invited panelist</i>	USC Sep 2018, Nov 2018

SERVICE

Executive Board Student Representative for ISA West (2015–2017).
Discussant, APSA panel “Territorial Control and Conflict Dynamics in Civil Wars” (Aug 2018).
Discussant, USC conference “The Political Economy of Security” (Jan 2018).
Discussant, USC CIS Working Paper Series (Oct 2018, Nov 2017, Feb 2016, Sep 2015, Apr 2015).
Ad hoc reviewer for *Foreign Policy Analysis*.

SOFTWARE

R	Data management (tidyverse) Advanced data visualization (ggplot2) Spatial analysis Bayesian modeling (rstan) Natural language processing Statistical analysis Machine learning
Stata	Data management, analysis, and visualization
Python	Natural language processing, data management
Other	SQLite, L ^A T _E X, Tableau, Adobe Illustrator

LANGUAGES

German (native), English (excellent), Spanish (intermediate), French (basic).

PROFESSIONAL MEMBERSHIPS

International Studies Association, American Political Science Association, Peace Science Society, The Society for Political Methodology.

REFERENCES

Pablo Barberá

Research Scientist, Facebook Core Data Science

Assistant Professor of International Relations, University of Southern California

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Christopher Fariss

Assistant Professor, Department of Political Science, University of Michigan

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Benjamin Graham

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