

THERESE ANDERS

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Updated October 2019

ACADEMIC APPOINTMENTS

Hertie School, Berlin

Oct 2019–

Postdoctoral research fellow

SCRIPTS Cluster of Excellence “Contestations of the Liberal Script” & Hertie Data Science Lab

EDUCATION

University of Southern California, Los Angeles

defended Sep 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

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). In *International Studies Quarterly*. Forthcoming.
- [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UNPUBLISHED MANUSCRIPTS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 & resubmit at *Journal of Peace Research*.
 - Winner of Kenneth E. Boulding Award of the International Studies Association Peace Studies Section 2018.
- [2] Deportation, Crime, and Victimization (with Sandra Rozo and Steven Raphael). Revise & resubmit at *Journal of Population Economics*.
 - Nominated for Juan Luis Londoño Prize at the Latin American and Caribbean Economic Association meeting 2017.

Working papers

- [3] How does Insecurity Affect Government Welfare Spending? Insights from Colombian Municipalities.
- [4] Estimating conflict exposure from event data.
- [5] New Estimates of Over 500 Years of Historic GDP and Population Data (with Christopher Fariss and Jonathan Markowitz).
- [6] Strategic compassion: The determinants of international emergency aid after natural disasters (with Thomas Jamieson).
- [7] 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 & undergraduate RAs</i>	2016–2017
Participant in instructor training	RStudio Inc.
<i>Data science pedagogy for diverse student groups</i>	July 2019

As instructor

Advanced data visualization in R for Ph.D. students	Summer Methods School, Florida State University
<i>3 four-hour sessions</i>	May 2019
Math and quantitative methods for social science Ph.D. students	USC
<i>Four-day course</i>	Aug 2019, 2018, 2017, 2016
Introduction to \LaTeX for Ph.D. students	USC
<i>Two-hour workshop</i>	Feb 2018, Apr 2016
Maps in R for Ph.D. students	USC
<i>Two-hour workshop</i>	Apr 2017
Data visualization in R	USC
<i>2 two-hour lecture & lab series</i>	Apr 2017

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

Introduction to R	USC
<i>2 two-hour sessions & lab series</i>	Mar 2016

As teaching assistant

Math and quantitative methods for social science Ph.D. students	USC
<i>Four-day course</i>	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)	2019
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CONFERENCE PRESENTATIONS

International Studies Association (ISA) Annual Convention	2015, 2016, 2017, 2018, 2019, 2020
rstudio::conf	2020
Society for Political Methodology (PolMeth) Annual Meeting	2018
Peace Science Society International North American Meeting	2017, 2018
American Political Science Association (APSA) Annual Meeting	2017, 2018, 2019
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–Aug 2019

Boston, MA

Developed software tools to implement peer review as a feedback strategy in large introductory data science classes via the `ghclass` package (with Mine Çetinkaya-Rundel, Duke University & University of Edinburgh).

Research Center SFB 700 “Governance in Areas of Limited Statehood”

Student Assistant to the Management

2011–2013

Berlin, Germany

German Embassy

Intern, Political Department

Summer 2012

Washington D.C., USA

German Council on Foreign Relations

Intern, Transatlantic Relations Program

Spring 2012

Berlin, Germany

Deutscher Bundestag (German Parliament)

Student Assistant to Member of Parliament

2008–2009

Berlin, Germany

RESEARCH EXPERIENCE

Research Assistant to Jonathan Markowitz (USC Center for International Studies)

2016–2019

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”

Invited participant

Kansas State University

Nov 2019

Visions in Methodology (VIM) conference

Invited participant

Ohio State University

May 2018

Dornsife Ph.D. Academy

Invited panelist

USC

Nov 2018, Sep 2018

SERVICE

Executive Board Student Representative for ISA West (2015–2017).

Discussant, APSA panel “Territorial Control and Conflict Dynamics in Civil Wars” (August 2018).

Discussant, USC conference “The Political Economy of Security” (January 2018).

Discussant, USC CIS Working Paper Series (October 2018, November 2017, February 2016, September 2015, April 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

Assistant Professor, School of International Relations, University of Southern California
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Christopher Fariss

Assistant Professor, Department of Political Science, University of Michigan
cjariss@umich.edu

Benjamin Graham

Associate Professor of International Relations, University of Southern California
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Patrick James

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Jonathan Markowitz

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