THERESE ANDERS

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Updated August 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UNPUBLISHED MANUSCRIPTS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   Security and Political Economy (SPEC) Lab, USC
Developed curriculum for data science training of graduate and undergraduate RAs   *2016–2017*

As instructor

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

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

Introduction to LaTeX for Ph.D. students   USC
Two-hour workshop   *Feb 2018, Apr 2016*

Maps in R for Ph.D. students   USC
Two-hour workshop   *Apr 2017*

Data visualization in R   USC
2 two-hour lecture and lab series   *Apr 2017*

Data management in R   USC
6 two-hour lecture and lab series   *Fall 2016*

Introduction to R   USC
2 two-hour sessions   *Mar 2016*

As teaching assistant

Math and quantitative methods for social science Ph.D. students   USC
Four-day course   *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 *Machine Learning for the Developing World*   2017
ISA West Annual Meeting   2014, 2015, 2016, 2017
USC Conference *Political Economy and Power Projection*   2016

PROFESSIONAL EXPERIENCE

RStudio, Inc.   May 2019–current
Intern, Calibrated Peer Review   *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" 2011–2013
Student Assistant to the Management *Berlin, Germany*

German Embassy Summer 2012
Intern, Political Department *Washington D.C., USA*

German Council on Foreign Relations Spring 2012
Intern, Transatlantic Relations Program *Berlin, Germany*

Deutscher Bundestag (German Parliament) 2008–2009
Student Assistant to Member of Parliament *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" Kansas State University
Invited participant *Nov 2019*

Visions in Methodology (VIM) conference Ohio State University
Invited participant *May 2018*

Dornsife Ph.D. Academy USC
Invited panelist *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, LaTeX, 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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Patrick James
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