

contact

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research interests

Network Analysis
Spatial Statistics
Conflict Studies
Political Economy
Political Institutions

computing

R, Python,
SQL, Javascript,
C++, Matlab

Academic Experience

2023–	Associate Professor	Michigan State University
2017–2023	Assistant Professor	Michigan State University
2016–2017	Postdoctoral Fellow	Duke University
2016–2017	Visiting Postdoctoral Fellow	University of California, Los Angeles

Education

2011–2016	Ph.D., Political Science <i>Fields:</i> Political Economy, Political Methodology	Duke University
2014–2015	M.A., Computational Economics	Duke University
2015–2016	Visiting Graduate Researcher	University of California, Los Angeles
2004–2008	B.A., Economics and Political Science	University of Michigan–Ann Arbor

Publications: Journal Articles (Hyperlinks in Bold)

"Understanding the Determinants of ICC Involvement: Legal Mandate and Power Politics." (with Alyssa K. Prorok and Benjamin Appel). (2024). *International Studies Quarterly*.

Paper || Replication Code

"Networks of Violence & Civilian Targeting During Civil War." (with Cassy Dorff & Max Gallop). (2023). *British Journal of Political Science*.

Paper || Replication Code

"Taking Dyads Seriously." (with Cassy Dorff, Max Gallop, Margaret Foster, Howard Liu, Juan Tellez, & Michael D. Ward). (2022). *Political Science Research & Methods*.

Paper || Replication Code

"[W]hat lies beneath: Using Latent Networks to Improve Spatial Predictions." (with Cassy Dorff & Max Gallop). (2022). *International Studies Quarterly*.

Paper || Replication Code

"Who Are in Charge, Who Do I Work With, and Who Are My Friends: A Latent Space Approach to Understanding Elite Coappearances in China." (with Narisong Huhe & Max Gallop). (2021). *Social Networks*.

Paper || Replication Code

"A Network Approach to Measuring State Preferences." (with Max Gallop). (2021). *Network Science*.

Paper || Replication Code

"Keeping Friends Close, but Enemies Closer: Foreign Aid Responses to Natural Disasters." (with Cindy Cheng). (2021). *British Journal of Political Science*.

Paper || Replication Code

"Multiple Imputation Using Gaussian Copulas." (with Florian Hollenbach, Iavor Bojinov, Nils W. Metternich, Michael D. Ward, and Alexander Volfovsky). (2021). *Sociological Methods & Research*.

Paper

"Networks of Violence: Predicting Conflict in Nigeria." (with Cassy Dorff and Max Gallop). (2020). *Journal of Politics*.

Paper || Replication Code

"Inferential Approaches for Network Analysis: AMEN for Latent Factor Models." (with Peter D. Hoff and Michael D. Ward). (2019). *Political Analysis*.

Paper || Replication Code

"Modeling Asymmetric Relationships from Symmetric Networks." (with Arturas Rozenas and John Ahlquist). (2019). *Political Analysis*.

Paper || Replication Code || Package

"The Reputational Impact of Investor State Disputes." (with Karen Remmer). 2018. *International Interactions*.

Paper || Replication Code

"Enemy at the Gates: Variation in Economic Growth from Civil Conflict." (with Benjamin J. Radford). (2017). *Journal of Conflict Resolution*.

Paper || Replication Code || Datadrop

"Splitting It Up: The spduration Split-Population Duration Regression Package for Time-varying Covariates." (with Andreas Beger, Daniel Hill, Nils Metternich, and Michael D. Ward). (2017). *R Journal*.

Paper || Github: andybega/spduration || CRAN

"Firewall or Wall on Fire? A Unified Framework of Conflict Contagion and the Role of Ethnic Exclusion." (with Nils W. Metternich and Michael D. Ward). (2017). *Journal of Conflict Resolution*.

Paper

"When Do States Say Uncle? Network Dependence and Sanction Compliance." (with Cassy Dorff). (2017). *International Interactions*.

Paper || Replication Code || Datadrop

"A New Approach to Analyzing Coevolving Longitudinal Networks in International Relations." (with Peter D. Hoff and Michael D. Ward). (2016). *Journal of Peace Research*.

Paper || Replication Code || Datadrop

"Mining Texts to Efficiently Generate Global Data on Political Regime Types." (with Jay Ulfelder and Michael D. Ward). (2015). *Research And Politics*.

Paper || Replication Code || Dataverse

Publications: Other

"Hidden Networks: Don't play what's there, play what's not there." (with Cassy Dorff). (2023). *Political Geography*.

"The Past, Present and Future of Studying Legislatures as Networks." (with Andrew Ballard). (2019). *The Legislative Scholar*, 4(1): 4-9.

"Latent Networks and Spatial Networks in Politics." (with Cassy Dorff and Michael D. Ward). (2017). In Jennifer Nicoll Victor, Alexander H. Montgomery, and Mark Lubell (eds.) *The Oxford Handbook of Political Networks*. Oxford University Press.

"Conflict Resolution in the International System: A Quantitative Approach." (with J. David Singer). (2008). In Jacob Bercovitch, Victor Kremenyuk, and William I. Zartman (eds.) *Handbook of Conflict Resolution*. London: Sage.

Working Papers (Papers Available Upon Request)

"The Pitfalls and Promise of using Rebel-Produced Media for Large-Scale Conflict Data Collection." (with Emily K. Gade, Bree Bang Jensen, Kai Ping Leung, Ava Sharifi, Emily Thomas, Michael Gabbay, Mohammed Hafez). Revise and Resubmit at *American Journal of Political Science*.

"Phantoms in the Residuals: Testing for Network Dependence." (with Cassy Dorff).

"Decisive or Distracted: the Effects of United States Constraint on Security Networks." (with Ha Eun Choi, Scott de Marchi, and Max Gallop).

"Parsing Co-dependence in Trade and Conflict." (with Cindy Cheng and Ha Eun Choi).

"Which Way to Peace? Estimating Directionality in Conflict Event Data." (with Cassy Dorff).

"Diffusion of Antitrust Laws in Open Economies." (with Tim Büthe).

"Estimating Influence in Tensors of Conflict." (with Peter D. Hoff & Michael D. Ward).

"Do Actions Speak Louder Than Words: How Parties Reward Loyal Speech and Voting Behavior." (with Andrew O. Ballard and Joshua Y. Lerner).

Works in Progress

"COVID-19 Border Policy." (with Cindy Cheng, Luca Messerschmidt, Joan Barcelo, Caress Schenk, and Ha Eun Choi).

"Aiding Religion: Regime Survival, Ideology Affinity, and Authoritarian Collaboration." (with Howard Liu and Peter Henne).

"It's Complicated: Explaining Frenemy Relationships in Civil War." (with Emily K. Gade, Arica Schuett, and Willa Jeffers).

Grants

National Science Foundation. Co-PI, "Collaborative Research: Mapping Relational Data in Civil Conflicts" with Cassy Dorff and Max Gallop, 2020-2023, \$734,971. Award 2017180 and 2017162.

Software

netify: **R** package for modeling event data with Cassy Dorff, Ha Eun Choi, and Colin Henry. In development.

[github://netify-dev/netify](https://github.com/netify-dev/netify)

simHelper: **R** package for simulating from maximum likelihood models, intended primarily as a pedagogical tool. In development.

[github://s7minhas/simHelper](https://github.com/s7minhas/simHelper)

pgbme: Partial Observability Generalized Bilinear Mixed Effects Model **R** package with Arturas Rozenas and John Ahlquist.

[github://s7minhas/pgbme](https://github.com/s7minhas/pgbme)

spduration: Split-population duration model **R** package with Andreas Beger, Daniel W. Hill, Daina Chiba, Nils Metternich, and Michael D. Ward.
[github://andybega/spduration](https://github.com/andybega/spduration)

mltr: Multilinear tensor regression for network analysis **R** package with Peter D. Hoff and Michael D. Ward. In development. [github://s7minhas/mltr](https://github.com/s7minhas/mltr)

influenceRegression: Social influence regression **R** package with Peter D. Hoff and Michael D. Ward. In development. [github://s7minhas/influenceRegression](https://github.com/s7minhas/influenceRegression)

Invited Presentations/Workshops

2024. Training Workshop at the PolNet (Political Networks) Conference – Florida State University.

2024. Workshop on Network Analysis – Vanderbilt University.

2024. Workshop on Measuring/Predicting Political Violence – University of Georgia.

2023. Training Workshop at the PolNet Conference – University of Exeter.

2022. Training Workshop at the PolNet Conference – University of Iowa.

2021. Saint Louis Area Methods Meeting (SLAMM!) at Washington University in Saint Louis. Latent Factor Models. Which Way to Peace? Estimating Directionality in Conflict Event Data. (with Cassy Dorff).

2021. Mitchell Centre for Social Network Analysis Seminar Series at The University of Manchester. A latent space approach to understanding elite coappearances in China. (with Narisong Huhe and Max Gallop).

2021. Training Workshop at the PolNet Conference – Penn State University. Latent Factor Models.

2021. ECPR Regulation and Governance Conference at the University of Exeter. Diffusion of Antitrust Laws in Open Economies. (with Tim Büthe).

2019. Networks in International Relations Workshop at University of Iowa.

2018. Training Workshop on Networks at University of Washington St. Louis. (with Cassy Dorff).

2017. Training Workshop at the PolNet Conference – Ohio State University. Latent Factor Models for Dynamic Networks. (with Michael D. Ward).

2017. California Center for Population Research at University of California, Los Angeles. Predicting the Evolution of Intrastate Conflict: Evidence from Nigeria.

2017. Innovations in Social Science Research at University of New Mexico. Network Analysis and Latent Space Models: An Introduction. (with Michael D. Ward).

2017. Social Science Data Analytics Program (SSDA) at Michigan State University. Inferential Approaches to Network Analysis.

Teaching Experience

Courses taught at ICPSR Summer Program:

- Advanced Network Analysis

Courses taught at MSU:

- Linear Regression Analysis (Graduate Level)
- Statistical Inference (Graduate Level)
- Maximum Likelihood Estimation (Graduate Level)
- Network Analysis (Graduate Level)
- Text Analysis (Graduate Level)
- Applied Statistical Programming (Graduate Level)
- Introduction to Social Science Data Analytics (Undergraduate Level)
- Analyzing and Visualizing Data (Undergraduate Level)

Teaching experience prior to MSU:

Spring 2015	PS 733: Maximum Likelihood Methods (Graduate Level) Teaching Assistant for Prof. Michael D. Ward	Duke University
Fall 2014	STA 611: Introduction to Mathematical Statistics (Graduate Level) Teaching Assistant for Prof. Sanvesh Srivastava	Duke University
Summer 2014	Programming in R for Graduate Students in Political Science Instructor	Duke University
Spring 2014	PS 130: Introduction to Political Inquiry (Undergraduate Level) Teaching Assistant for Prof. Tim Büthe	Duke University
Fall 2013	PS 130: Introduction to Political Inquiry (Undergraduate Level) Teaching Assistant for Prof. Kyle Beardsley	Duke University

Graduate Mentorship

Graduated

- Nikolaos Frantzeskakis (Political Science, Assistant Professor at the University of Birmingham)
- Yuqing Liu (Education and Quantitative Methods, Postdoctoral Researcher at Michigan State University)
- Elizabeth Brannon (Political Science, Assistant Professor in the Department of Political Science at Indiana University)
- Caleb Lucas (Political Science, Assistant Professor in the Department of Political Science at Indiana University)
- Hyunwoo Kim (Political Science, Hankuk University of Foreign Studies)
- Thomas Bentley (Political Science, U.S. Department of Defense)
- Zuhaib Mahmood (Political Science, Brooks Bell, Inc.)

- Emily Bovee (Educational Psychology & Educational Technology, Froedtert Health)

Dissertation Committee

- Haining Du (Political Science)
- Hyerin Seo (Political Science)
- Ha Eun Choi (Political Science)
- Alejandra Villegas (Political Science)

Guidance Committee

- Fariha Tabassum (Political Science)
- Tosin Salau (Political Science)
- Kelechi Amakoh (Political Science)
- Nara Kang (Political Science)
- Soyeon Park (Political Science)
- Angelina Benli (Political Science)
- Matthew Cota (Political Science)
- Kelsey Osborne-Garth (Political Science)
- Sofia Rosales (Political Science)

Undergraduate Research Assistants or Mentees

Graduated

- Michael Kozel (Research Assistant, WeWork)
- Ren Mueller (Social Science Scholar Mentee, PhD Student at Princeton University)
- Ata Algan (Research Assistant, Masters Student at University of Chicago)
- Zane Shango (Research Assistant, Liberty Mutual Insurance)

Conference Paper Presentations

2024: International Studies Association (ISA), Political Networks Conference (PolNet), American Political Science Association (APSA)

2023: ISA, APSA

2022: ISA, APSA

2021: Saint Louis Area Methods Meeting (SLAMM!), APSA, Political Methodology Conference (PolMeth)

2019: ISA, PolNet, APSA, PolMeth

2018: ISA, Midwest Political Science Association (MPSA)

2017: ISA, MPSA, PolNet, APSA, PolMeth

2016: ISA, PolNet, APSA

2015: MPSA, APSA, UNCTAD Research Partnership Program, International Political Economy Society (IPES), Conference on Empirical Legal Studies (CELS)

2014: ISA, APSA

2013: International Security Studies Section of ISA and the International Security and Arms Control Section of APSA (ISSS-ISAC)

2012: Triangle Institute for Security Studies (TISS)

Previous Research Experience

2013–2017	Member of The Law and Politics of Antitrust in Open Economies Project http://people.duke.edu/buthe/competitionpolicy/	
2012–2017	Member of Crisis Prediction Project	
2014–2016	Research Assistant to Prof. Michael D. Ward	Duke University
2013–2014	Research Assistant to Prof. Scott de Marchi	Duke University
2011–2013	Research Assistant to Prof. Karen Remmer	Duke University

Service

Disciplinary Service:

Advisory Board, Correlates of War Project (2021-2024)

Executive Council, APSA Political Networks Section (2019-2024)

Editor, The Political Economist - Newsletter of APSA Political Economy Section (2020-2023)

Program Committee, Political Networks Conference (2021)

Professional Membership:

American Political Science Association

APSA Political Networks Section

International Studies Association

Midwest Political Science Association

Society for Political Methodology

APSA Political Economy Section

University Related Service:

Graduate Student Summer Camp, Faculty Lead

Graduate Student Awards (Research & Teaching) Committee

PhD Admissions Committee

University Committee on Faculty Affairs

Social Science Data Analytics Initiative Advisory Committee

Methods Field Committee

International Relations Field Committee

Workshop on Political Methodology

Workshop on Conflict

Reviewer:

American Journal of Political Science; American Political Science Review; Annals of Applied Statistics; British Journal of Political Science; Conflict Management & Peace Science; Global Networks; International Interactions; Journal of Conflict Resolution; Journal of Complex Systems; Journal of Politics; Nature; Network Science; Political Analysis; Political Science

Research & Methods; PLOS One; Review of International Political Economy; R Journal; Social Networks; Springer Business, Economics & Statistics; Terrorism & Political Violence

References

Available upon request.