

contact

Michigan State University
minhassh@msu.edu
s7minhas.com
github/s7minhas

research interests

Network Analysis
Spatial Statistics
Conflict Studies
Political Economy
Political Institutions

computing

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

Academic Experience

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

Education

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|-----------|--|---------------------------------------|
| 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)

“Networks of Violence & Civilian Targeting During Civil War.” (with Cassy Dorff & Max Gallop). (Forthcoming). *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). (Forthcoming). *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

"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)

"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).
"Hidden Networks: Don't Play What's There, Play What's Not There." (with Cassy Dorff).
"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

"Phantoms in the Residuals: Testing for Network Dependence." (with Cassy Dorff).
"COVID-19 Border Policy." (with Cindy Cheng, Luca Messerschmidt, Joan Barcelo, Caress Schenk, and Ha Eun Choi).
"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).
"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

conflictNet: **R** package for modeling event data with Cassy Dorff, Ha Eun Choi, and Colin Henry. In development.
[github://conflictNetTeam/conflictNet](https://github.com/conflictNetTeam/conflictNet)

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

2022. Training Workshop at Political Networks Conference – University of Iowa. Latent Factor Models.

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 Political Networks 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 Political Networks 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:

- 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:

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

Mentorship

Dissertation Committee

Emily Bovee (Educational Psychology & Educational Technology, PhD Dissertation Committee Member)

Zuhaib Mahmood (Political Science, PhD Dissertation Committee Member)

Thomas Bentley (Political Science, PhD Dissertation Committee Member)

Hyunwoo Kim (Political Science, PhD Dissertation Committee Member)

Caleb Lucas (Political Science, PhD Dissertation Committee Member)

Elizabeth Brannon (Political Science, PhD Dissertation Committee Member)

Yuqing Liu (Education and Quantitative Methods, PhD Dissertation Committee Member)

Haining Du (Political Science, PhD Dissertation Committee Member)

Guidance Committee

Nikolaos Frantzeskakis (Political Science, PhD Dissertation Committee Member)

Ha Eun Choi (Political Science, PhD Guidance Committee)

Alejandra Villegas (Political Science, PhD Guidance Committee)

Fariha Tabassum (Political Science, PhD Guidance Committee)

Tosin Salau (Political Science, PhD Guidance Committee)

Benjamin Yoel (Political Science, PhD Guidance Committee)

Kelechi Amakoh (Political Science, PhD Guidance Committee)

Kwaku Debrah (Political Science, PhD Guidance Committee)

Nara Kang (Political Science, PhD Guidance Committee)

Stanislav Skritki (Political Science, PhD Guidance Committee)

Aliyah J. McIlwain (Political Science, PhD Guidance Committee)

Ross Walker (Psychology, PhD Guidance Committee)

Shane Wery (Political Science, PhD Guidance Committee)

Undergraduate

Michael Koziel (Political Science, Undergraduate Faculty Mentor)
Ren Mueller (Social Science Scholar Program, Research Mentor)

Conference Paper Presentations

2022: International Studies Association (ISA), American Political Science Association (APSA)
2021: Saint Louis Area Methods Meeting (SLAMM!), APSA
2019: ISA, Political Networks Conference (POLNET), APSA
2018: ISA, Midwest Political Science Association (MPSA)
2017: ISA, MPSA, POLNET, APSA, Political Methodology Conference (POMETH)
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)

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-Present)
Executive Council, APSA Political Networks Section (2019-Present)
Editor, The Political Economist - Newsletter of APSA Political Economy Section (2020-Present)
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; Conflict Management & Peace Science; International Interactions; Journal of Conflict Resolution; Journal of Politics; Political Analysis; Political Science Research & Methods; R Journal; Springer Business, Economics & Statistics; Journal of Complex Systems; Social Networks; Network Science; British Journal of Political Science; PLOS One

References

Available upon request.