# Logan Stundal

PhD Candidate

*Minneapolis, MN*

☐ 701 610 8586 | ✉ stund005@umn.edu | ⌂ loganstundal.com | ⬤ loganstundal | in logan-stundal | 🐦 loganstundal

## Education

**University of Minnesota**                                                                     *Minneapolis, MN*

PhD, Political Science                                                                  *Degree Expected: May 2022*

- Fields: International Relations and Political Methods
- Dissertation Committee: Tanisha Fazal (Chair), John Freeman, Mark Bell, Jessica Stanton

**University of North Dakota**                                                                   *Grand Forks, ND*

BA, Political Science and Economics                                                                        *2013*

- Magna Cum Laude

## Dissertation

Epidemiology and War: Disease, Conflict, and Public Health

- My dissertation explores the connection between civil war and armed conflict on the emergence of disease within or in close proximity to active combat zones. While we have known for quite some time that war leads to disease, our understanding of what types of violence contribute to greater (or lower) incidence of specific disease types has remained limited. I test the causal connections between disease and war using a varied levels of analysis approach that leverages small-n interviews to establish causal mechanisms, spatial-temporal dynamic models of subnational conflict processes to demonstrate these mechanisms, and cross-national quantitative analysis to explore the international consequences of conflict on public health. My dissertation reveals the complex connection between disease and the politics of violence in armed conflicts.

## Publications

### Forthcoming

Human Rights Violations in Space: Assessing the External Validity of Machine Geo-coded Vs. Human Geo-coded Data. Accepted by *Political Analysis*                                                            *2021*

- (with Benjamin Bagozzi, John Freeman, and Jennifer Holmes)

### Working papers

Disease and War: Why conflict context matters and how it shapes disease outcomes                *ISA 2021*

Mapping US and Chinese Health Diplomacy                                              *ISA 2021; APSA 2021*

- (with Tanisha Fazal)

Geostatistical Analysis in Space and Time                                                      *APSA 2021*

- (with John Freeman and Benjamin Bagozzi)

Computationally Efficient Spatial and Spatiotemporal models estimated with Non-linear Least Squares

Heterogeneous Spatial and Spatiotemporal Dynamic Models

Rebel Predation and Foreign Aid                                                                *MPSA 2019*

### Non-academic writing

"Measles, Ukraine, and Civil War: The Missing Links" (with Tanisha Fazal). *Political Violence @ A Glance*                                                                                         *March 2019*

# Awards, Grants, & Fellowships

| | |
|---|---|
| Political Science, Teaching Assistant Fellowship | *2017-Present* |
| Political Science, Summer Fellowship | *2017-Present* |
| National Science Foundation (NSF), Graduate Research Fellowhip Program Honorable Mention | *2018* |
| Graduate Pre-Dissertation Research Fellowship | *2017* |
| Larson Graduate Research Fellowship in Political Economy | *2016-17* |
| Empirical Implications of Theoretical Models - Certification / Fellowship, Inter-university Consortium for Political and Social Research (ICPSR) (NSF Funded) | *2017* |
| PolMeth Travel Grant, Madison, WI (NSF Funded) | *2017* |
| Ronald E. McNair Post-Baccalaureate Fellowship | *2009-13* |

# Teaching and Research Experience

### TEACHING ASSISTANT
- POL 1025: Global Politics; POL 1026: Foreign Policy; POL 3085: Quantitative Analysis; POL 4810: The Politics of Nuclear Weapons; POL 4991: Capstone

### ICPSR GRADUATE STUDENT INSTRUCTOR                                        *2020, 2021*
- (Empirical Modeling with Robert Franzese)

### ICPSR WORKSHOP, GUEST LECTURER                                           *2020, 2021*
- (Spatial Econometrics with Robert Franzese)

### INSTRUCTOR OF RECORD                                                     *Summer 2019*
- POL 3085: Quantitative Analisys

## Research Assistantships

| | |
|---|---|
| Tanisha Fazal | *2021 - present* |
| John Freeman | *2018 - present* |
| Ron Krebs | *Fall 2019* |
| Jessica Stanton | *Summer 2018* |

# Conference & Workshop Participation

## Annual Meetings

| | |
|---|---|
| APSA | *2021* |
| Polmeth | *2017, 2019* |
| ISA | *2021* |
| Midwest Political Science Association | *2019* |
| Upper Midwest International Relations Conference | *2018, 2019* |

## Workshops

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|---|---|
| Mapping US and Chinese Health Diplomacy | *2021* |
| BIGCSS Summer School in Computational Social Science (Breman, Germany) | *Summer 2018* |
| ICPSR, University of Michigan, Ann Arbor | *Summer 2017* |

# Service

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|---|---|
| Minnesota Political Methods Colloquium, Co-Chair | *2018-2021* |
| McNair Program: Student Mentor | *2017-2021* |
| Minnesota Graduate Student Methods Conference, Organizer | *2018-2020* |
| Graduate Student Life Committee, Co-Chair | *2018-19* |
| TRIO Program - Upward Bound: Mentor | *2016* |

# Affiliations

American Political Science Association
Society for Political Methodology
Midwest Political Science Association
International Studies Association

# Skills

## Research Interests

**International Relations**: Disease outbreaks, civil wars, political violence/conflict processes, humanitarian crises
**Methodology**: spatial models, diffusion and contagion processes, Bayesian analsysis, simulation

## Data Analysis

Spatial Econometrics, Mapping, Time Series, Bayesian Analysis, Visualisation, Data Cleaning, Surveys

## Programming

R, Python, SQL, Stan, LaTeX, Git, Javascript

# Awards & Achievements

## Awards

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|---|---|
| UMN, Thank a Teacher Award | *2019* |
| UMN, Thank a Teacher Award | *2018* |

# References

### Tanisha Fazal
*Professor*
- Political Science Department
- University of Minnesota
- Email: fazal007@umn.edu
- Phone: 612-624-8261

### John Freeman
*Professor*
- Political Science Department
- University of Minnesota
- Email: freeman@umn.edu
- Phone: 612-624-6018

### Jessica Stanton
*Associate Professor*
- Political Science Department
- Temple University
- Email: jessica.stanton@temple.edu

### Mark Bell
*Associate Professor*
- Political Science Department
- University of Minnesota
- Email: msbell@umn.edu
- Phone: 612-624-4144

### Robert Franzese
*Professor*
- Political Science Department
- University of Michigan
- Email: franzese@umich.edu