

Minnie Minhyung Joo

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EMPLOYMENT

University of Massachusetts Lowell

Associate Professor, Department of Political Science, 2026-
Assistant Professor, Department of Political Science, 2019-2026
Affiliated Faculty, Global Studies Program, 2019-
Affiliated Faculty, Peace and Conflict Studies Program, 2020-

EDUCATION

The Pennsylvania State University

Ph.D., Political Science, August 2019
M.A., Political Science, May 2015

New York University

B.A.Hon., International Relations, May 2011

RESEARCH INTERESTS

International Relations: political economy of civil conflicts, political violence, conflict resolution, peace processes, organization of rebel groups

Political Methodology and Formal Theory: Bayesian statistics, split-population (survival) models, spatial statistics, signaling games

PUBLICATIONS

Peer-Reviewed Journal Articles

12. **Minnie M. Joo**, Eric Keels, Krista Wiegand. 2026. "Assessing Organization Constraints in Self-Determination Claims in Civil Conflicts." *Journal of Peace Research*. DOI: [10.1093/jopres/xjag015](https://doi.org/10.1093/jopres/xjag015)
11. Eric Keels, **Minnie M. Joo**, Krista Wiegand. 2025. "Substance Over Process? Rebel Group Grievances and the Durability of Peace Agreements." *European Journal of International Relations* DOI: [10.1177/13540661251338](https://doi.org/10.1177/13540661251338)
10. **Minnie M. Joo** and Brandon Bolte. 2025. "Post-Conflict Regimes and the Survival of Pro-government Militias." *Civil Wars*. DOI: [10.1080/13698249.2025.2491286](https://doi.org/10.1080/13698249.2025.2491286)
9. **Minnie M. Joo**. 2025. "Resolving Bargaining Problem in Civil Conflict: Rebel Goals, Domestic Institutions, and Negotiations." *Journal of Peace Research* 62(3): 722-737. DOI: [00223433241252552](https://doi.org/00223433241252552)

8. **Minnie M. Joo**, Brandon Bolte, Nguyen Huynh, Vineeta Yadav, Bumba Mukherjee. 2025. "Right-Wing Populist Leaders, Nationalist Rhetoric, and Dispute Initiation in International Politics." *Journal of Conflict Resolution* 69(2-3):321–351. DOI: [00220027241247041](https://doi.org/00220027241247041)
7. Benjamin E. Bagozzi, **Minnie M. Joo**, Bumba Mukherjee. 2024. "Addressing Top-Category Inflation in International Relations Outcomes: The Top-Inflated Ordered Probit (TiOP) Model" *Foreign Policy Analysis* 20(2): orae006 DOI: [orae006](https://doi.org/orae006)
6. **Minnie M. Joo** and Santiago Sosa. 2023. "Governance interrupted: Rebel governance and pro-government militias." *Journal of Global Security Studies* 8(3):ogado15 DOI: [ogado15](https://doi.org/ogado15).
5. **Minnie M. Joo**, Brandon Bolte, Nguyen Huynh, Bumba Mukherjee. 2023. "Bayesian Spatial Split-Population Survival Model with Applications to Democratic Regime Failure and Civil War Recurrence." *Mathematics* 11(8): 1886. DOI: [math11081886](https://doi.org/math11081886).
4. Brandon Bolte, **Minnie M. Joo**, Bumba Mukherjee. 2021. "Security Consolidation in the Aftermath of Civil War: Explaining the Fates of Victorious Militias." *Journal of Conflict Resolution* 65(9): 1459-1488. DOI: [10.1177/0022002721995528](https://doi.org/10.1177/0022002721995528).
3. **Minnie M. Joo** and Bumba Mukherjee. 2021. "Rebel command and control, time, and rebel group splits." *International Interactions* 47(2):318-345. DOI: [10.1080/03050629.2021.1848823](https://doi.org/10.1080/03050629.2021.1848823).
2. **Minnie M. Joo**, Nicolás Schmidt, Sergio Béjar, Vineeta Yadav, Bumba Mukherjee. 2020. "BayesMF-Surv: An R Package to Estimate Bayesian Split-Population Survival Models With (and Without) Misclassified Failure Events." *The Journal of Open Source Software* 5(48): 2164. DOI: [10.21105/joss.02164](https://doi.org/10.21105/joss.02164).
1. Benjamin E. Bagozzi, **Minnie M. Joo**, Bomin Kim, Bumba Mukherjee. 2019. "A Bayesian Split Population Survival Model for Duration Data With Misclassified Failure" (with R Package). *Political Analysis* 27(4): 415-434. [10.1017/pan.2019.6](https://doi.org/10.1017/pan.2019.6).

CRAN-R Packages

2. Brandon L. Bolte, Nicolas Schmidt, Sergio Bejar, **Minnie M. Joo**, Nguyen K. Huynh, Bumba Mukherjee. 2021. BayesSPsurv: Bayesian Spatial Split Population Survival Model version 0.1.4. Available on CRAN-R: <https://cran.r-project.org/web/packages/BayesSPsurv/index.html>
1. **Minnie M. Joo**, Sergio Bejar, Nicolas Schmidt, Bumba Mukherjee. 2019. BayesMFSurv: Bayesian Misclassified-Failure Survival Model version 0.1.0. Available on CRAN-R: <https://cran.r-project.org/web/packages/BayesMFSurv/index.html>

CURRENT PROJECTS

Revise and Resubmit

3. **Minnie M. Joo**. "Rebel Goals and Tactics, Domestic Institution, and Public Opinion."
2. Krista Wiegand, Eric Keels, **Minnie M. Joo**. "Issues in Civil Wars: Rebel Grievances and Salience."
1. Eric Keels, Krista Wiegand, **Minnie M. Joo**. "Raising the Stakes: Ceasefire Outcomes and Rebel Claims."

Working Papers and Work in Progress

6. **Minnie M. Joo**. "When do Foreign Observers Justify Terrorist Tactics? The Effects of Rebel Framing, Domestic Institutions, and Respondent Demographics."
5. **Minnie M. Joo** and Habiba Shah. "If maximalist goals, then more (extreme) violence?"
4. **Minnie M. Joo** and Hansol Kwak. "Network Analysis of Rebel Goals."
3. **Minnie M. Joo** and Jiahe Mi. "The Strategic Responses of Rebel Groups to International Human Rights Shaming"
2. **Minnie M. Joo**, Eric Keels, and Krista Wiegand. "Context Matters: Rebel Rhetoric, Institutions, and the Use of Terrorism in Armed Conflicts."
1. Eric Keels, **Minnie M. Joo**, Krista Wiegand. "Something Beyond the Battlefield: An Issues-Based Approach to Understanding Civil War Dynamics."

DATA PROJECTS

2. Krista Wiegand, Eric Keels, **Minnie M. Joo**. "Issues in Civil War (ICW) Dataset Project." – Data collection completed (funded by National Science Foundation Grant #SES-1756423)
1. Ore Koren, Brandon Bolte, **Minnie M. Joo**. "Complementary Agents of Violence (CAV): A Dataset on Political and and Military Integration of Paramilitaries and Militias." – Data collection completed.

SOFTWARE PACKAGES

BayesMFSurv Package for **R** (with Sergio Bejar, Nicolas Schmidt, Bumba Mukherjee)

This package implements the Bayesian "Misclassified Failure (MF)" Parametric Survival models, as described in Bagozzi et al (2018). Functions to fit Bayesian "Misclassified Failure" Parametric Survival models via Markov Chain Monte Carlo (MCMC) is contained in the package. Also contains auxiliary functions to calculate various statistics using the model's results. Available on CRAN-R:
<https://cran.r-project.org/web/packages/BayesMFSurv/index.html>

BayesSPSurv Package for **R**

This package presents and implements the Bayesian Spatial Split Population Survival models, as described in Joo, Bolte, Huynh, and Mukherjee (2021). Functions to fit Bayesian Spatial Split Population Survival models via Markov Chain Monte Carlo (MCMC) is contained in the package. Available on CRAN-R: <https://cran.r-project.org/web/packages/BayesSPSurv/index.html>

ZMTiOP Package for **R** (with Benjamin E. Bagozzi and Bumba Mukherjee)

R package for MLE of Zero-inflated, Middle-inflated, and Top-inflated Ordered Probit Models With and Without Correlated Errors.

MENTORING

GLST Ph.D. Program

Jiahe Mi, qualifying paper and dissertation, committee **chair**
Ron Kravette, qualifying paper and dissertation, committee member
Myat Su Tin, qualifying paper and dissertation, committee member
Moo Moo Paw, qualifying paper and dissertation, committee member
Rahab Kisio, qualifying paper and dissertation, committee member, graduated 2026
Christian Rodas Saa, qualifying paper and dissertation, committee member, graduated 2024
Luisa Mejia, dissertation, external reviewer, graduated 2022

Undergraduate

Wing Sze Wu, honors committee member, graduated 2025
Matthew Downey, honors committee **chair**, graduated 2023
Madhava Narasimhadevara, **emerging scholars mentor**, 2023
Anthony Giuggio, honors thesis committee **chair**, graduated 2021
Matthew Dwyer, honors thesis committee member, graduated 2020

TEACHING

University of Massachusetts Lowell

Graduate

GLST 7012 Conflict, Cooperation, Security and Human Rights
GLST 7031 Quantitative Approach to Global Studies
GLST 7220 Civil Wars

Undergraduate

POLI 3780 International Political Economy
POLI 3840 International Politics of Human Rights
POLI 3010 Quantitative Methods in Political Science
POLI 4960/4970 Experiential Learning in Political Science/Practicum in Law

Pennsylvania State University

PLSC 309 Quantitative Political Analysis (online), *Instructor*
PLSC 412 International Political Economy, *Instructor*
PLSC 496 Political Assassination, *Instructor*
PLSC 014 International Relations, *Teaching Assistant*

INVITED TALKS

Boston College International Relations Lecture Series. Fall 2023. "Rebel Goals, Domestic Institutions, and Rebel-Government Negotiations."

CONFERENCE PRESENTATIONS

Minnie M. Joo, Jiahe Mi. "Reputation and Rebellion: When Naming and Shaming Constrains Rebel Terrorism." Presented at the International Studies Association Annual Convention. Columbus, OH. March 22-25, 2026.

Minnie M. Joo. "When do Foreign Observers Justify Terrorist Tactics? The Effects of Rebel Framing, Domestic Institutions, and Respondent Demographics." presented at:

- 82nd Annual Midwest Political Science Association Conference, Chicago, IL. April 3-6, 2025
- 96th Annual Southern Political Science Association Conference, San Juan, PR. January 8-11, 2025.

Minnie M. Joo. "Rebel Goals and Tactics, Domestic Institution, and Public Opinion" presented at:

- Peace Science Society International Annual Meeting, St. Louis, MO. November 9-11, 2023.
- American Political Science Association Annual Meeting, Los Angeles, CA. August 31-September 3, 2023.

Minnie M. Joo, Eric Keels, Krista Wiegand. "Assessing Organization & Ideology in Self-Determination Claims in Civil Wars" Presented at the American Political Science Association Annual Meeting. Montreal, Canada. September 15-18, 2022.

Minnie M. Joo, Brandon Bolte, Bumba Mukherjee. "Explaining the Post-War Survival of Victorious Militias: Evidence from New Data" Presented at the European Political Science Association Annual Meeting. Prague, Czech Republic. June 23-25, 2022.

Minnie M. Joo, Eric Keels, Krista Wiegand. "Context Matters: Rebel Rhetoric, Institutions, and the Use of Terrorism in Armed Conflicts" Presented at the International Studies Association Convention. Nashville, TN. March 28-April 2, 2022.

Minnie M. Joo, Santiago Sosa, *Madhava Narasimhadevara. "Governance interrupted: Rebel governance and pro-government militias" Presented at the 20th Jan Tinbergen European Peace Science Conference. Virtual Conference, June 29-July 1, 2021.

Eric Keels, **Minnie M. Joo**, and Krista Wiegand. "Substance Over Process? Rebel Group Grievances and the Durability of Peace Agreements." Presented at the International Studies Association Annual Conference (virtual), 2021.

Krista E. Wiegand, Eric Keels, **Minnie M. Joo**. "Issues in Civil Wars: Rebel Grievances and Salience." Presented at the Peace Science Society International Annual Meeting. Online Conference, 2020.

Minnie M. Joo and Bumba Mukherjee. "Rebel command and control, time, and rebel group splits." Presented at the Peace Science Society International Annual Meeting, Austin, TX, 2018.

Minnie M. Joo. "Rebel Goals, Legislative Rules, and Initiation of Negotiations." Presented at:

- American Political Science Association Annual Meeting, Boston, MA, 2018.
- Pacific International Politics Conference, Seoul, South Korea, 2017.
- Peace Science Society International Annual Meeting (poster), South Bend, IN, 2016.

Benjamin E. Bagozzi, **Minnie M. Joo**, Bomin Kim, Bumba Mukherjee. "A Bayesian Split Population Survival Model for Duration Data With Misclassified Failure" (with R Package). Presented at:

- 10th Visions in Methodology Conference, Columbus, OH, 2018.
- 5th Annual Meeting of Asian Political Methodology in Seoul, South Korea, 2018.

Minnie M. Joo and Ryan McMahon. "Measuring FDI Restrictiveness: Critical Analysis of OECD's FDI Restrictiveness Index." Presented at the 2016 International Studies Association Annual Conference, Atlanta, GA, 2016.

FELLOWSHIPS AND GRANTS

Graduate Student Travel Grant, Peace Science Society (International), 2018
Program for Empirical International Relations Teaching Fellowship, Penn State, 2018
Program for Empirical International Relations Fellowship, Penn State, 2017
Miller-LaVigne/Paterno Graduate Fellowship, Penn State, 2014-2015
Summer Graduate Research Award, Penn State, 2014
Travel Grant Award, Penn State, 2016, 2017, 2018
International Relations Program Prize for the Best Thesis, NYU, 2011
Gold Certificate in Alexander Hamilton Certificate Program, NYU, 2011
Presidential Honor Scholars, NYU, 2008-2011
Founder's Day Award, NYU, 2011
Phi Beta Kappa, NYU, 2011

OTHER RESEARCH/WORK EXPERIENCE

Graduate Assistant, Peace Science Society (International), Summer 2016–Fall 2017
Research Assistant for Boliang Zhu, Penn State, Spring 2016
Research Assistant for Vineeta Yadav, Penn State, Fall 2013–Spring 2014

REFERENCES

References available upon request