

Minnie Minhyung Joo

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Employment

Assistant Professor, University of Massachusetts Lowell, 2019-

Education

The Pennsylvania State University

Ph.D., Political Science, August 2019

Committee: Bumba Mukherjee (Chair), Glenn Palmer, Douglas Lemke, Xun Cao, Eric Baumer

Title: "Inside Rebel Groups: The Goals, Industrial Organization, and Behavior of Rebel Groups"

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

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*. Published online on March 16, 2021. <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.
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/
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. DOI: <https://doi.org/10.1017/pan.2019.6>.

CRAN-R Package

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*Under Review*

2. Benjamin E. Bagozzi, **Minnie M. Joo**, Bumba Mukherjee. "Addressing Top-Category Inflation in International Relations Outcomes: The Top-Inflated Ordered Probit (TiOP) Model."
1. **Minnie M. Joo** with Bumba Mukherjee, Nguyen Huynh and Brandon Bolte. "A Bayesian Parametric Split Population Model with Spatial Frailties (with R Package)."

Working Papers

4. **Minnie M. Joo**, Santiago Sosa, Madhava Narasimhadevara. "Governance interrupted: Rebel governance and pro-government militias."
3. Eric Keels, **Minnie M. Joo**, and Krista Wiegand. "Substance Over Process? Rebel Group Grievances and the Durability of Peace Agreements."
2. **Minnie M. Joo**. "Rebel Goals, Legislative Rules, and Initiation of Negotiations."
1. **Minnie M. Joo** with Brandon Bolte, Nguyen Huynh and Bumba Mukherjee. "Explaining the Post-War Survival of Victorious Militias: Evidence from New Data."

*Work in Progress***Issues in Civil War**

2. "Something Beyond the Battlefield: An Issues-Based Approach to Understanding Civil War Dynamics" with Krista Wiegand and Eric Keels.
1. "Rebel Issues and Violent Tactics in Rebel Groups" with Eric Keels and Krista Wiegand.

Data Projects

- 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.
- Krista Wiegand, Eric Keels, Joshua Jackson, **Minnie M. Joo**. "Issues in Civil War (ICW) Dataset Project."
- Ted Chen, **Minnie M. Joo**, Chuyu Liu, Kim Tran. "Heterogeneity in the Causes and Consequences of Political Assassinations."

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, Huynh, Bolte and Mukherjee (2019). Functions to fit Bayesian Spatial Split Population Survival models via Markov Chain Monte Carlo (MCMC) is contained in the package.

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.

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

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*

Conference Presentations

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 Saliency." 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

Last updated: June 13, 2021