

Rob Williams

CONTACT INFORMATION

Department of Political Science
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APPOINTMENTS Washington University in St. Louis

Postdoctoral Research Fellow, Department of Political Science 2020-
Postdoctoral Research Associate, Department of Political Science 2019-'20

EDUCATION The University of North Carolina at Chapel Hill

Ph.D., Political Science 2019
• Dissertation: "The Geography of Secession"
• Committee: Mark Crescenzi (chair), Navin Bapat, Stephen Gent, Patricia Sullivan, and Santiago Olivella
• Concentrations: *International Relations* and *Political Methodology*

M.A., Political Science 2016

Haverford College

B.A., Political Science, Departmental Honors 2012

PEER-REVIEWED PUBLICATIONS

Oswald, Christian, Melanie Sauter, and Sigrid Weber, and Rob Williams.* 2020.
"Under the Roof of Rebels: Civilian Targeting After Territorial Takeover in Sierra Leone." *International Studies Quarterly* 64(2): 295–305.
doi:[10.1093/isq/sqaa009](https://doi.org/10.1093/isq/sqaa009).

Scogin, Shana, Johannes Karreth, Andreas Beger, and Rob Williams. 2019.
"BayesPostEst: An R Package to Generate Postestimation Quantities for Bayesian MCMC Estimation." *Journal of Open Source Software* 4(42): 1722.
doi:[10.21105/joss.01722](https://doi.org/10.21105/joss.01722).

Williams, Rob, Daniel J. Gustafson, Stephen E. Gent, and Mark J.C. Crescenzi. 2020. "A Latent Variable Approach to Measuring and Explaining Peace Agreement Strength." *Political Science Research and Methods*.
doi:[10.1017/psrm.2019.23](https://doi.org/10.1017/psrm.2019.23).

UNDER REVIEW "PASS: Peace Agreement Strength Scores"

"The Curse of Geography: How Governments Preempt Secession Attempts"
Revise & Resubmit.

SOFTWARE

Karreth, Johannes, Shana Scogin, Rob Williams, and Andreas Beger. [BayesPostEst: Generate Postestimation Quantities for Bayesian MCMC Estimation](#).

*Equal authorship statement

PAPERS IN PREPARATION	<p><i>“Terrorism, Repression, and Stealth Aggression” with Navin Bapat and Daniel Gustafson</i></p> <p><i>“Unsettled Borders in a Market Context” with Bailee Donahue and Mark Crescenzi</i></p> <p><i>“Border Walls, Cooperation, Illicit Trade” with David Carter and Bailee Donahue</i></p> <p><i>“Non-Combatants or Counter-Insurgents? The Strategic Logic of Violence against UN Peacekeeping” with Patrick Hunnicut and William G. Nomikos</i></p> <p><i>“Mapping Extremist Networks with Visual Imagery”</i></p> <p><i>“Extracting Road Networks from Spatial Data” with Ryan Denniston, Juan Tellez, and Howard Liu</i></p> <p><i>“Gaussian Process Models for Spatial Data”</i></p>	
CONFERENCE PRESENTATIONS	International Borders in a Globalizing World	2021
	American Political Science Association	2020, '19
	International Studies Association Midwest	2019
	Peace Science Society (International)	2019, '18, '16
	Politics and Computational Social Science	2019
	Society for Political Methodology	2019, '18
	International Studies Association	2019, '17
	Midwest Political Science Association	2018
INVITED TALKS	2020	
	University of Missouri–Kansas City	
RESEARCH INTERESTS	Rebel goals and aims, conflict preemption, low level political violence, conflict resolution, Bayesian inference, measurement models, spatial statistics	
AWARDS AND FELLOWSHIPS	Thomas M. Uhlman Summer Research Fellowship, \$6,000	2019, '18, '16
	Earle Wallace Award for Graduate Student Teaching, \$2,500	2019
	Dean’s Graduate Fellowship, \$5,000	2018-'19
	Graduate Student Transportation Grant, \$1,000	2019
	Graduate and Professional Student Federation Travel Award, \$400	2018
	ISA Annual Conference Travel Grant, \$180	2017
	Whit Ayres Travel Award, \$160	2017
TEACHING EXPERIENCE	Washington University in St. Louis	Instructor
	• The Scientific Study of Civil War	2020
	• International Conflict Management & Resolution	2019

The University of North Carolina at Chapel Hill

Instructor

- Quantitative Research in Political Science 2019
- Advanced Topics in Political Data Science Lab 2018, '17

Teaching Assistant

- Introduction to International Relations and World Politics 2018, '17, '16, '15
- Race, Innocence, and the Decline of the Death Penalty 2016

ICPSR Summer Program

Teaching Assistant

- Introduction to Applied Bayesian Modeling 2017

TEACHING INTERESTS

Conflict processes, terrorism and political violence, conflict management and resolution, quantitative methodology, spatial modeling

TECHNICAL SKILLS

Statistical computing in R, Python, and Stata, Bayesian inference with Stan and JAGS, reproducible research with R Markdown, GIS in R, version control with git, high performance computing, containerization with Singularity, Bash

PROFESSIONAL EXPERIENCE

The Odum Institute for Research in Social Science

- **Data Verification:** Performed replication and verification of author submitted R, Python, and Stata code for manuscripts accepted for publication in *The American Journal of Political Science* and *State Politics and Policy Quarterly*, contributed to the development of best practices for authors (2016-2019)
- **Teaching Assistant** Assisted faculty instructors in a weeklong course targeted towards working data science professionals (2015)

ITS Research Computing

- **Support Specialist:** Assisted users of high performance clusters and virtual computing resources on campus, taught introductory R course to research community at UNC (2019)

SERVICE

Workshop Organization

- "Measuring and Conceptualizing Rebel Governance," 2019 PSS(I) Annual Meeting, with Amelia Hoover Green
- "Advancing Measurement in the Study of Conflict and Political Violence," 2018 PSS(I) Annual Meeting, with Johannes Karreth & Elizabeth Menninga

Panel Organization

- "Measuring the Less Violent Tools of Statecraft," 2019 ISA Midwest Annual Conference

- “Measuring Strategic Interaction in Conflict with Event Data,” 2019 APSA Annual Conference, with Johannes Karreth

Departmental Service

- Graduate student peer mentor (2019)
- Coordinator, Methods and Design Workshop (2018-2019)
- Coordinator, Spatial Methods Working Group (2016-2018)

Reviewer

International Studies Quarterly, Journal of Conflict Resolution, Civil Wars, Oxford University Press, Journal of Open Source Software

AFFILIATIONS Peace Science Society (International), International Studies Association, Society for Political Methodology, American Political Science Association

REFERENCES Mark Crescenzi
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Santiago Olivella
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