

T. Ryan Johnson

Contact Information	Washington University One Brookings Drive Campus Box 1063, Seigle 207 St. Louis, MO 63130	thomas.johnson@wustl.edu johnsontr.github.io
Education	Washington University in St. Louis , Ph.D., Political Science, 2026 (<i>expected</i>) University of Houston , M.A., Economics, 2017 Sam Houston State University , M.S., Mathematics, 2014 Texas A&M University , B.A., Economics and Mathematics, 2008	
Research Interests	American Politics : representation and electoral systems Political Methodology : Bayesian statistics, causal inference, spatial statistics Formal Theory : political economy, structural estimation	
Publications	Johnson, T. Ryan and Dietrich Vollrath (2020). "The Role of Land in Temperate and Tropical Agriculture." <i>Economica</i> 87 (348), 901-938. bin Oslan, Afiq and T. Ryan Johnson (2025). "Spies in a barrel: When to reel in espionage." <i>Journal of Theoretical Politics</i> (OnlineFirst), 1-23.	
Working Papers	"Kriging for Robust Standard Errors" "On using a random effect with a Gaussian process prior instead of a spatial trend"	
Work in Progress	"Estimating the Random Coefficients Logit with Voter Files" "Flood Risk and Turnout" "Modeling Spatial Effects with Gaussian Processes"	
Software	<i>gpd</i> (Gaussian process derivatives), an addon for the Matlab toolkit <i>gpmf</i> . GitHub Repo: https://github.com/johnsontr/gpd	
Departmental Service	Co-Coordinator, Political Economy Workshop, WashU Political Science (2023) Coordinator, Formal Theory Workshop, WashU Political Science (2021, 2022) Coordinator, Political Data Science Lab, WashU Political Science (2021)	
Professional Service	Referee	<i>Political Analysis</i>
	Discussant	Comparative Politics Annual Conference (2022, 2023)
Grant	2022. Weidenbaum Center Research Grant, "Flooding, Voting, and the Political Economy of Risky Assets" w/ Guillermo Rosas and Bryant Moy (\$11,975)	
Presentations	APSA Annual Meeting (Los Angeles - 2023), Midwest ISA (St. Louis - 2023)	
Invited Talk	University of Missouri American Politics Brown Bag (2023)	

Conference Attendance	Comparative Politics Annual Conference (WashU - 2021, 2022, 2023), Annual Meeting of the Society for Political Methodology (St. Louis - 2022), Empirical Models of Political Economy (Caltech - 2023), Borders, Territory and the State System (WashU - 2023)
Teaching	<p>Saint Louis University, Department of Computer Science¹ Introduction to Computer Science: Taming Big Data (Fall 2024)</p> <p>Saint Louis University, Department of Earth and Atmospheric Sciences² Introduction to Geographic Information Systems (Fall 2024)</p> <p>Washington University in St. Louis, Department of Political Science³ Math Camp, Summer 2021 (Summer 2022) Applied Statistical Programming, (Spring 2022) Formal Models of Political Institution (Fall 2021) American Political Institutions (Fall 2021) Causal Inference (Spring 2021) Computational Social Science (Fall 2020) Theories of Individual and Collective Choice II (Spring 2020) Mathematical Modeling (Fall 2019)</p> <p>Sam Houston State University, Department of Mathematics & Statistics⁴ Developmental Mathematics II (Fall 2011, Spring 2012, Fall 2012, Spring 2013)</p>
Technical Skills	ArcGIS, geographic information systems (GIS), Matlab, Python, R, SQL
Languages	English (Native), German

¹ Instructor of record for undergraduate course

² Instructor of record for combined undergraduate and graduate course sections

³ Teaching assistant at the Ph.D. level for all courses listed

⁴ Instructor of record for undergraduate courses