

# Daniel C Posmik

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CONTACT INFORMATION	Brown University, School of Public Health Department of Biostatistics 129 S Main St, Providence, RI 02903	daniel_posmik@brown.edu posmikdc.github.io +1 (224) 507-4045
EDUCATION	<b>Brown University</b> , Providence, RI, USA Ph.D. in Biostatistics <ul style="list-style-type: none"><li>Interests: <i>Causal Inference; Network Interference and Prediction; Nonparametric Methods; Dynamic Treatment Regimes; Environmental Epidemiology</i></li></ul> <b>University of Chicago</b> , Chicago, IL, USA Graduate Student at Large (GSAL) <ul style="list-style-type: none"><li>Coursework: <i>Statistical Theory and Methods I; Analysis in Rn I; Multiple Testing, Modern Inference, and Replicability; Probability Models</i></li></ul> <b>University of Cincinnati</b> , Cincinnati, OH, USA Data Analytics (BSc), Economics (BBA), Mathematics Minor Business Administration (Associate of Arts)	Exp. 2029 2024 2022 2020
HONORS AND AWARDS	McCall MacBain Finalist Award (Deferred for Ph.D.) (20 out of 400+ applicants) Presidential Leadership Medal of Excellence (4 yearly recipients; university-wide) Non-Traditional Student of the Year (1 yearly recipient; college-wide) Annie Fitzgerald Community Service Award (2 yearly recipients; university-wide)	2024 2022 2022 2021
PUBLICATIONS	[1] Posmik, Daniel C. (2022). <b>Predicting International Student Enrollment by Institutional Aid: A Random and Fixed Effects Approach</b> , Journal of Student Financial Aid 51.3	
RESEARCH EXPERIENCE	<b>Department of Comparative Human Development</b> , University of Chicago, Chicago, IL, USA <i>Graduate Research Assistant</i> Supported Professor <b>Guanglei Hong</b> 's research on causal decomposition and mediation analysis <ul style="list-style-type: none"><li>Assessed instrumental variables (IV) approaches in sequential and multi-site treatment settings</li><li>Applied compliance score weighting to estimate local average treatment regime effects via IV</li><li>Explored Bayesian identification, specifically treatment re-randomization via cumulative priors</li></ul> <b>Energy &amp; Environment Lab</b> , University of Chicago, Chicago, IL, USA <i>Project Associate</i> Supported the <b>E&amp;E Lab</b> 's portfolio at the intersection of causal inference and machine learning <ul style="list-style-type: none"><li>Coordinated an RCT on the effect of agricultural machinery on illegal burning of crop residue</li><li>Applied PCA to high-dimensional remote sensing data to construct a burn index for analysis</li><li>Implemented a random forest algorithm to predict firm-level environmental violations</li></ul>	Jan. 2024 - May 2024 Jan. 2023 - Aug. 2023
TEACHING EXPERIENCE	<b>Department of Economics</b> , University of Chicago, Chicago, IL, USA <i>Teaching Assistant: ECON21020 - Econometrics (Prof. Melissa Tartari)</i> <ul style="list-style-type: none"><li>Topics: <i>Statistical Inference, Linear Regression, Panel Data Regression, Causal Inference</i></li><li>Hosted weekly discussion sections and held office hours for 40 students</li><li>Graded assignments and exams; responded to student questions in timely manner</li></ul>	Spring 2024

PRESENTATIONS & TALKS	<b>Scholarly Presentations</b>	
	Becker Friedman Institute for Economic Research Journal Club ( <i>Presenter</i> )	2023
	Federal Reserve Bank Economic Scholars Conference ( <i>Presenter</i> )	2024
	<b>Conferences Attended</b>	
	BIRS Workshop ( <i>Causal Inference and Prediction for Network Data</i> ); Summer School at the Technical University of Munich ( <i>Causal Graphical Models</i> )	2024
INDUSTRY EXPERIENCE	<b>The Brattle Group</b> , Boston, MA, USA <i>Research Analyst</i>	July 2023 - Dec. 2023
	Worked within <b>Brattle's Electricity Group</b> on projects in wholesale and retail electricity planning	
	<ul style="list-style-type: none"> <li>Analyzed energy congestion patterns to inform a utility's \$10m transmission investment</li> <li>Developed a cost-benefit model for the electrification of school bus fleets with IRA grants</li> </ul>	
COMMUNITY SERVICE	<b>The Data Science Institute</b> , University of Chicago, Chicago, IL, USA <i>Community Data Fellow</i>	Sep. 2023 - Dec. 2023
	Created a <b>dashboard</b> for the State of Illinois' Commission on Equity & Inclusion	
	<ul style="list-style-type: none"> <li>Visualized and summarized spatio-temporal impact data from the <i>Business Enterprise Program</i></li> <li>Embedded dashboard on website and maintained communication with project stakeholders</li> </ul>	
	<b>The Neo Initiative</b> , Cincinnati, OH, USA <i>Founder and President</i>	June 2020 - Jan. 2022
	Founded a <b>student-led data analytics accelerator</b> for minority-owned small businesses in the U.S.	
	<ul style="list-style-type: none"> <li>Served 15 black-owned small businesses with pro-bono consulting services in data analytics</li> <li>Coordinated 6 executive officers, 5 project leads, 5 mentors, and 30 analysts each semester</li> <li>Hosted a virtual state-sponsored data literacy series, reaching 300+ minority-owned businesses</li> </ul>	
SKILLS AND INTERESTS	Programming: R, Python, $\text{\LaTeX}$ , Tableau, Git, Linux, Lua Languages: English (Fluent), German (Native), French (Advanced), Latin (Intermediate) Interests: Mountaineering, Backpacking, Vipassana Meditation, Rock Climbing	