

Daniel C Posmik

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| Contact | 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 | Brown University Ph.D. in Biostatistics <ul style="list-style-type: none">• Advisor: TBD• Interests: Causal Inference; Network Interference and Prediction; Nonparametric Methods; Dynamic Treatment Regimes; Environmental Epidemiology University of Chicago Graduate Student at Large (GSAL) University of Cincinnati Data Analytics (BSc), Economics (BBA), Mathematics Minor Business Administration (Associate of Arts) | Providence, RI Exp. 2029 Chicago, IL 2024 Cincinnati, OH 2022 2020 |
| Publications | [1] Posmik, Daniel C. (2022). Predicting International Student Enrollment by Institutional Aid: A Random and Fixed Effects Approach , Journal of Student Financial Aid 51.3 | |
| Research Experience | Department of Comparative Human Development, University of Chicago Graduate Research Assistant Supported Professor Guanglei Hong 's research on causal decomposition and mediation analysis <ul style="list-style-type: none">• Assessed instrumental variables (IV) approaches in sequential and multi-site treatment settings• Applied compliance score weighting to estimate local average treatment regime effects via IV• Explored Bayesian identification, specifically treatment re-randomization via cumulative priors Energy & Environment Lab, University of Chicago Project Associate Supported the E&E Lab 's portfolio at the intersection of causal inference and machine learning <ul style="list-style-type: none">• Coordinated an RCT on the effect of agricultural machinery on illegal burning of crop residue• Applied PCA to high-dimensional remote sensing data to construct a burn index for analysis• Implemented a random forest algorithm to predict firm-level environmental violations | Chicago, IL Jan. 2024 - May 2024 Chicago, IL Jan. 2023 - Aug. 2023 |
| 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 |
| Teaching Experience | Department of Economics, University of Chicago Teaching Assistant: ECON21020 - Econometrics <ul style="list-style-type: none">• Topics: Statistical Inference, Linear Regression, Panel Data Regression, Causal Inference• Hosted weekly discussion sections and held office hours for 40 students• Graded assignments and exams; responded to student questions in timely manner | Chicago, IL Spring 2024 |

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