Jasmine Han

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Education

University of Chicago   *Sept 2020 - June 2024*
BA in Economics (with Honors), BS in Computational and Applied Math

- **Thesis:** Investigating school breakfast with RD extrapolation *(advised by Prof. Kirill Ponomarev)*
- **Relevant coursework:** Linear algebra, real analysis, complex analysis, optimization, probability theory, statistical methods, ODEs, measure theory, econometrics, causal machine learning

Work Experience

Data Scientist, *Walmart Economics*   *June 2023 - Aug 2023; July 2024 – present*

- Examined learning-by-doing in Walmart associates and isolated potential mechanisms, including peer learning and organizational learning; estimated wage effects on productivity of associates using staggered event studies
- Primary analyst for a nation-wide field experiment on subscriptions with staggered rollout design
- Implements standard and spatial regression discontinuity designs to estimate impacts of faster shipping
- Conducts analysis on supply side of left-digit bias using data on gig delivery workers

Virtual Lab Assistant, *Roman Family Center for Decision Research*   *Aug 2021 - June 2023*

- Worked with researchers and participants in Nick Epley's lab to implement experiments in behavioral science
- Conducted literature reviews for affiliated researchers across topics in psychology and behavioral economics

Summer Intern, *Argonne National Laboratory*   *June 2021 - Sept 2021*

- Used STARCCM+ program to simulate fluid temperatures within a dry nuclear fuel storage cask
- Generated and analyzed simulated data on thermal response to gas leakage to prepare for publication [link]

Research Assistant Experience

Prof. Alexander Torgovitsky, *University of Chicago*   *Jan 2024 – present*

- Investigating instrumental variables validity tests, converting relevant Stata programs to R

Deniz Dutz, *University of Chicago*   *July 2024 – Jan 2025*

- Edited proofs, compiled data for partial identification projects with applications to homelessness prevention

Profs. Niels Gormsen & Kilian Huber, *Booth School of Business*   *Sept 2022 - June 2024*

- Cost of Capital project: Analyzed company transcripts for database on firms' investment decision-making process

D. Kashner & Prof. M. Stalinski, *Sloan Fdn. & Univ. of Warwick*   *Aug 2022 - Dec 2022*

- Conducted literature review and drafted background for "Preempting Polarization" in *J. Public Econ.* [link]

Teaching Experience

Teaching Assistant, *University of Chicago Math Department*   *Sept 2021 – Apr 2022*

- Taught discussion section twice a week for MATH 130s sequence (Elementary Functions and Calculus)

Awards

David S. Hu Award in Economics   *2024*

- Given for excellence in economics coursework and creativity in senior thesis

Dean's List   *2022-2024*

- Each year, granted to the 20% of students with highest grade point averages

Works in Progress

Investigating school breakfast with regression discontinuity extrapolation methods [link] *Last updated: Sep 2025*

Abstract: In recent years, several states have mandated Breakfast After the Bell (BATB) programs for schools with sufficiently high shares of low-income students, hoping to increase school breakfast participation. The presence of strict thresholds in these policies allow for plausible identification of causal effects using regression discontinuity designs (RDDs). However, standard RDD procedures only yield results for schools near the threshold and therefore face external validity concerns, including among lower-income schools, which are of particular interest. In this paper, I investigate the effects of an Illinois mandate among *all* schools above the enrollment cutoff. To do so, I first use an RDD to identify local effects and then impose a range of additional "parallel trends"-like assumptions, allowing for extrapolation to lower-income schools. The local results suggest that the BATB mandate had negligible impacts on attendance-related measures and academic performance near the cutoff. However, extrapolated estimates provide suggestive evidence of increased attendance and decreased truancy beyond the policy threshold, emphasizing the importance of extrapolation in this setting.

Software

`testjfe` for Python and R *[WIP]*

Adapted Stata module `testjfe` created by Frandsen (2020) for Python, R. Instrument validity test in the judge fixed effects design that jointly tests exclusion and monotonicity assumptions.

Skills

Technical: SQL, R, Python, Stata, LaTeX, QGIS, ArcGIS, SolidWorks