

Nicholas Skelley
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CURRENT

MIT Sloan School of Management

Predocotrinal Research Associate, Technical Associate

July 2022 – *Present*

- Work with Joseph Doyle in Applied Economics studying interventions aimed at improving health outcomes, particularly among low-income households.
- Analyze randomized controlled trials (RCTs) and perform causal retrospective analyses of interventions in collaboration with external healthcare providers and employers.
- Coauthored an RCT evaluation and make substantial contributions to the causal retrospective analysis of a corporate health intervention program.
- Contribute to study design and analysis for interventions aimed at improving healthcare engagement and health outcomes with external research partners, including Geisinger Health and Quest Diagnostics.
- Participated in MIT Sloan's 2023 Health Systems Initiative Lab workshop as part of ongoing research with Quest Diagnostics, alongside leaders in consulting (e.g., Deloitte, Analysis Group) and industry (e.g., Regence/BCBS, Quest, Amwell, Well).
- Regularly write code in Stata and R to produce graphs and tables used for analysis and manuscripts, with an emphasis on writing clean, procedural code that is easy to change and update.
- Attended J-PAL's 2022 Research Staff Training, including workshops on data security and encryption, power analysis, data validation and high frequency checks, and using GitHub for project management and organization. This training also included Q&A sessions with Chris Blattman and Jessica Lasky-Fisk.

EDUCATION

Emory University

BA in Economics (*summa cum laude*)

May 2022

Mathematics Minor

GPA: 3.93

Omicron Delta Epsilon Economics Honor Society; Economics Honors Program; Dean's List: Spring 2019, Fall 2020, Spring 2021, Spring 2022

SELECTED COURSEWORK

Economics: Microeconomics I (PhD), Econometrics I, Causal Inference and Impact Analysis, Game Theory, Experimental Economics, Economics and Psychology, Intermediate Macroeconomics

Mathematics: Real Analysis (MIT), Abstract Vector Spaces, Foundations of Mathematics (proof-writing), Linear Algebra, Differential Equations, Single- and Multi-Variable Calculus (integral and differential)

RESEARCH

PEER-REVIEWED RESEARCH

Joseph J. Doyle, Marcella Alsan, Nicholas Skelley, Yutong Lu, John Cawley. "Effect of an Intensive Food-as-Medicine Program on Health and Health Care Use: A Randomized Clinical Trial," 2023. *JAMA Internal Medicine*. [doi:10.1001/jamainternmed.2023.6670](https://doi.org/10.1001/jamainternmed.2023.6670)

WORKING PAPERS/IN PROGRESS

Nicholas Skelley. “Comparing experimental loss framing methods in a multi-leveled lying context,” 2023. *Submitted*.

Stephen D. O’Connell, Nicholas Skelley. “Endogenous household reorganization and social welfare program manipulation,” 2021-23. *In preparation*.

EXPERIENCE

Referee: *Vaccine*.

Harvard University, New York University, Kellogg School of Management

Temporary Archival Research Assistant

May 2022 – July 2022

- Read and categorized thousands of archival documents at the National Archives at Atlanta related to poliomyelitis, measles, their associated vaccines, and other infectious diseases prevalent during the mid-20th century.
- Reported documents to Melissa Dell (Harvard), Leander Heldring (Kellogg), and Pablo Querubin (NYU) that could be used to evaluate infectious-disease vaccine uptake during the mid-20th century.

Emory University, Department of Economics

Honors Student

July 2021 – May 2022

- Developed an original research question in the field of behavioral economics and designed a literature-motivated experiment that received IRB approval and took place in 2022 on Amazon’s Mechanical Turk (MTurk).
- Independently studied non-parametric statistical methods for rigorously analyzing survey and experimental data.
- Wrote a comprehensive thesis describing the study and the results of the experiment (see “Comparing experimental loss framing methods in a multi-leveled lying context”). Committee: Kelli Lanier (advisor), Stephen D. O’Connell, Weihua An.

Emory Summer Undergraduate Research Experience (SURE)

Undergraduate Research Fellow

June 2021 – August 2021

- Studied household reorganization, child migration, and social program manipulation resulting from cash transfers to Syrian refugees in Lebanon.
- Performed extensive data transformation and analysis in R and created automated processes for creating data visualizations and regression models, including modifying R packages in R to handle large datasets and to tailor outputs to our needs.
- Wrote programs for identifying bandwidths and power for analyses under a regression discontinuity design.
- Collected relevant literature in economics, sociology, and demography and wrote a literature review on child fosterage, social program manipulation, and prior research on the effects of aid programs to refugees.
- Analyzed trends in the data and wrote a draft manuscript in preparation for submission to a peer-reviewed journal.

Emory Economics Policy Lab

Research Assistant

August 2020 – December 2020

- Programmed in R with `dplyr` and `ggplot2` to create regression discontinuity specifications to assess the effects of policies on specific welfare outcomes.
- Wrote procedural code to seamlessly create models and graphics for 198 different outcome-bandwidth-treatment specifications with the flexibility to easily add or remove objects.

GRANTS AND AWARDS

[Jack and Lewis Greenhut Prize¹](#), Emory University Department of Economics, 2022

Emory Undergraduate Research Programs, Independent Research Grant, 2022: \$974.40, for *Comparing experimental loss framing methods in a multi-leveled lying context*.

Emory Undergraduate Research Programs, Summer Undergraduate Research Fellowship, 2021.

PRESENTATIONS

MIT Sloan School of Management Predoctoral Presentation Series, 2022. “Comparing experimental loss framing methods in a multi-leveled lying context.”

Emory College Summer Undergraduate Research Symposium, 2021. “Endogenous household reorganization and social welfare program manipulation.”

Emory Center for Innovation, Peer-to-Peer Masterclass Series, 2020. “Introduction to Web Design with Nicholas Skelley (22C)” — [Article](#)

SOFTWARE AND PROGRAMMING

`tabtex`: An R package for formatting data frames as \LaTeX tables. ([GitHub](#))

SOFTWARE AND LANGUAGES

Software: Stata, RStudio, Visual Studio, MATLAB. **Languages:** R, \LaTeX , HTML, CSS, Python, SQL, PHP, Unix, Java, C#, Lua, jQuery, JavaScript, Swift.

ADDITIONAL EXPERIENCE

Emory University

Teaching Assistant

January 2020 – December 2020

- Intermediate Microeconomics (Fall 2020)
- Probability and Statistics Lab (Spring 2020)

Resident Advisor

August 2020 – May 2022

Sophomore Advisor

August 2019 – March 2020

iD Tech

Virtual Instructor

May 2020 – August 2020

¹The Jack and Lewis Greenhut Prize “is awarded to a graduating senior who has demonstrated the highest degree of excellence in classwork, research, and scholarly activities.”

ADDITIONAL SKILLS

CERTIFICATIONS

Mental Health First Aid (2020-2023, 2023-2026), CITI Human Subject Research Track (2021), CITI Basic/Refresher Course Human Subjects Protection: Social/Behavioral Focus (2021-2024)

LANGUAGES

English: native; French: intermediate/working proficiency