Nicholas Skelley

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CURRENT

MIT Sloan School of Management
Predoctoral 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 under review at a medical journal and make substantial contributions to the causal retrospective analysis of a corporate health intervention program.
- Contribute to program and study design for interventions aimed at improving healthcare engagement and health outcomes with external research partners, including Geisinger Health, Quest Diagnostics, and SilverCloud.
- 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.
- Participated in 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

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

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

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

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

, 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)."

Software and Programming

`tabtex`: An R package for formatting data frames as LaTeXtables. (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, Office of Residence Life
Resident Advisor   August 2020 – May 2022

iD Tech
Virtual Instructor   May 2020 – August 2020

Additional Skills

Certifications
Mental Health First Aid (2020-2023), 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

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[1] The 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."