

# Emtiaz Hossain Hritan

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## Academic Positions

Postdoctoral Scholar, Department of Health, Society, & Behavior, UC Irvine, August 2025- till date

## Education

Ph.D. in Economics, Georgia Institute of Technology, Summer 2025

MS in Economics, Georgia Institute of Technology, Summer 2023

MA in Economics, University of South Florida, Spring 2019

BBA Finance (Minor: Economics), Bangladesh University of Professionals, Spring 2017

## Research Interests

Environmental Economics, Health Economics, Urban Economics

## Working Papers

**Crime on the Move? The Effect of Ridesharing Services on Crime** [Revise & Resubmit at Economic Inquiry]

[[PDF](#)] [[Replication code](#)]

**Impact of An Infrastructure Failure on Cognitive Performance, 2023** [Under Review at Education Economics]

[[PDF](#)] [[Replication code](#)]

**Silencing the Rails: A Study of the Noise-Safety Trade-off in Railway Quiet Zones, 2023** [Under Review at Journal of Economic Geography]

[[PDF](#)] [[Replication code](#)]

## Works in Progress

The Politics of Birth: How Local Representation Shapes Maternal-Infant Outcomes

Public to Private: The Impact of Hospital Privatization on Birth Outcomes for Medicaid Mothers

Ride or Die: Did Ridesharing Services Kill Active and Public Transit? (Joint with Casey Wichman)

Selection in utero, diluted denominators, and the Black male neonatal death paradox (Joint with Tim Bruckner, Brenda Bustos, Ralph Catalano)

Fetal Deaths in the US during the Initial COVID-19 Shelter-in-Place Period: A Conception Cohort Approach (Joint with Tim Bruckner, Brenda Bustos, Dana Sarnak, Alison Gemmill, Joan Casey, Ralph Catalano)

Moving beyond the Cross-Sectional: Changes in Structural Disadvantage and Fetal and Neonatal Death in the US (Joint with Tim Bruckner, Brenda Bustos, Dana Sarnak, Alison Gemmill, Joan Casey, Ralph Catalano)

It's Who You Know: Bridging Ties in Low-Income Neighborhoods and the Risks of Fetal and Infant Death (Joint with Tim Bruckner, Brenda Bustos, Samantha Gailey)

Beware of Dog: Impact of Air Pollution on Dog Bites, 2023 [\[PDF\]](#)

Crime is in the water: Impact of water pollution on crime [\[PDF\]](#)

Fighting Fire with Fire: A Study on the Effectiveness of Prescribed Burns in Mitigating Future Wildfires [\[PDF\]](#)

Impact of Protected Bike Lane on Air Pollution, Safety and Educational Outcome

Hritan, Emtiaz Hossain and Vanna-iampikul, Pruek, The impacts of air pollution on traffic accidents across the United States (February 4, 2022). Available at SSRN: <https://ssrn.com/abstract=4039404>

## Refereeing

Applied Economics, See: [\[Link\]](#)

## Conference Presentations

2025 Association of Environmental and Resource Economists (AERE) Summer Conference [\[Link\]](#)

2024 12th Annual Graduate Student Paper Conference, Ivan Allen College of Liberal Arts, Georgia Institute of Technology [\[Link\]](#)

2023 American Society of Health Economists (ASHEcon) Conference St. Louis, session: Physical and Cognitive Health Effects of Air Pollution [\[Link\]](#)

2023 Southeastern Workshop on Energy & Environmental Economics and Policy (SWEEP), [\[Link\]](#)

2023 GSU Environmental Economics Symposium, Georgia State University

## Employment

### Research Experience

Graduate Research Assistant, Georgia Institute of Technology, Atlanta, Georgia, Summer 2024

**Project:** *Ride or Die: Did Ridesharing Services Kill Active and Public Transit?* under Dr. Casey Wichman

Graduate Research Assistant, Georgia Institute of Technology, Atlanta, Georgia, January 2022-August 2022

**Project:** *Advances in Causal Inference at the Intersection of Air Pollution and Health Outcomes Data.* under Dr. Dylan Brewer

## Teaching Experience

Instructor of Record, Georgia Institute of Technology, August 2022-December 2022 and January 2024-May 2024

Statistics for Economists (ECON 2250), Spring 2024 and Fall 2022

Principles of Macroeconomics (ECON 2105), Summer 2023

Graduate Teaching Assistant, Georgia Institute of Technology, Atlanta, Georgia, August 2020-December 2021, January-December 2023

**Fall 2024** Microeconomic Theory I (ECON-7012) and Game Theory (ECON 4180) for Dr. Maxwell Rosenthal

**Fall 2023** Microeconomic Analysis (ECON 6106) for Dr. Sam Wunderly

**Spring 2023** Macroeconomics (ECON 6105) for Dr. Willie Belton

**Fall 2021** Advance Microeconomic Analysis(ECON-3110) and International Energy Markets (ECON 3300) for Dr. Matthew E. Oliver

**Spring 2021** Game Theory (ECON 4180) for Dr. Maxwell Rosenthal

**Fall 2020** International Energy Markets (ECON 3300) for Dr. Matthew E. Oliver

Adjunct Instructor of Economics, Guilford Technical Community College, Jamestown, NC, January 2020-August 2020

**Spring 2020** 3 sections of Principles of Microeconomics and 1 section of Principles of Macroeconomics

**Summer 2020** 1 section of Macroeconomics (online)

Graduate Instructional Assistant, University of South Florida (USF), Tampa, FL, January 2018-May 2019

**Spring 2019** Economics of Education and Microeconomics Principles for Dr. Erika Martinez

**Fall 2018** Microeconomics Principles for Dr. Antoinette Criss

**Spring 2018** Intermediate Price Theory and Microeconomics Principles for Dr. Erika Martinez

## Professional Affiliations

American Economic Association (AEA), Association of Environmental and Resource Economists (AERE), American Society of Health Economists, Omicron Delta Epsilon (International honor society in Economics)

## Scholarships/Fellowships

Outstanding Graduate Student Instructor, School of Economics, Georgia Tech, 2025 [Institute-wide Finalist] [\[See more here\]](#)

The Interdisciplinary Health and Environment Leadership Development (IHE-LeaD) Fellowship, Georgia Tech, sponsored by the Burroughs Wellcome Fund, August 2022-May 2023. [\[See more here\]](#)

Omicron Delta Epsilon Travel Award, Georgia Tech 2025

IAC Graduate Student Travel Support, Georgia Tech 2025

Richard R. House Graduate Stipend by School of Economics, Georgia Tech

Econ Fellow Endowment Stipend, by School of Economics, Georgia Tech

BUP Scholarship (merit based) for three consecutive years : 2014, 2015, 2016 by Bangladesh University of Professionals (BUP)

## Skills

Software: Stata, R, Python, ArcGIS, QGIS

Fluent in English and Bengali (native)

## Certificates/Licences

Tech to Teaching Certificate, Georgia Institute of Technology, 2022. [\[See more here\]](#)

## Extra-Curricular Activities

President, Omicron Delta Epsilon, Georgia Tech Chapter, 2023-2024

Senator, Graduate Student Senate (GSS) of Georgia Tech for 2020-21

Board Member, Graduate Student Advisory Board (GSAB), Ivan Allen College of Liberal Arts (IAC), 2022

## References

Dylan Brewer

Assistant Professor

School of Economics, Georgia Institute of Technology

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Casey Wichman

Associate Professor

School of Economics, Georgia Institute of Technology

Email: [wichman@gatech.edu](mailto:wichman@gatech.edu)

Robert Gonzalez

Associate Professor

School of Economics, Georgia Institute of Technology

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