

# Brian M. Murphy

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## Education

University of Houston, Houston, TX	Aug 2023 – Present
Ph.D. in Economics	
University of Houston, Houston, TX	Aug 2023 – May 2025
M.A. in Economics	
La Salle University, Philadelphia, PA	Aug 2019 – May 2023
B.A. in Economics & B.S. in Mathematics	

## Research Interests

Economics of Education, Labor Economics, Gender Economics, and the Economics of Crime

## Working Papers

1. "[Neighborhood Impacts on STEM Major Choice](#)" with Jeonghyeok Kim and Rohit Munshi
2. Does One Score Fit All? Multi-Dimensional School Quality and Student Outcomes in Public School
3. "[Capital Expenditure by School Districts: Driven by Enrollment, or Administrative Convenience?](#)" with Eva Loeza Albino, Steven Craig, Sameer Malik, Md Abdullah Al Mashrur, Ryan McGregor and Bent Sorensen

## Work in Progress

1. "Classification and Confidence: Long Run Impacts of Standardized Test Score Classifications"
2. "Teacher Quality and Workforce Reallocation in the Wake of School Closures" with John Green and Jeonghyeok Kim
3. "STEM Charter Schools and Long-Term Outcomes: Evidence from Lottery-Based and Observational Evaluations in Texas" with Blake Heller
4. "STEM: A Signaling Mechanism? The Impact of STEM Degree Completion on Labor Market Outcomes"
5. "Algorithmic Policing in the Shadow of Deterrence: Theory and Evidence" with Vikram Maheshri and Giovanni Mastrobuoni

## Research Experience

<b>Research Assistant for Vikram Maheshri</b> , University of Houston	November 2024 – Present
<b>Project:</b> Police Departments Use of Predictive Policing Technology and Effects on Crime	
<b>Task:</b> Received a grant to create a new dataset on policing tactics used by police department across the United States, with a particular focus on if police departments use predictive policing technology. I was in charge of two undergraduate students in creating, documenting, and maintaining an accurate dataset.	
<b>Research Assistant for the Center for Civic and Public Policy Improvement (CCPPI)</b> , Houston, Texas	February 2025 – August 2025
<b>Project:</b> Data Collection for Socio-Economic Characteristics Across Texas	
<b>Task:</b> Tasked with creating and maintaining a database using micro data that describes counties across Texas.	
<b>Research Assistant for Development Innovation Ventures, World Education, Building Tomorrow through USAID Funding</b> , Kampala, Uganda	December 2024-March 2025

**Project:** Targeting the Learning Crisis Program in Uganda

**Task:** Tasked with the evaluation of a project to expand and expand targeted instruction to all of Uganda. This includes understanding how to best teach children, improve enrollment, and develop teacher monitoring technology.

**Note:** This project was canceled due to the discontinuation of funding to certain USAID programs.

**Data Scientist**, WSFS Bank & NewLane Finance - Philadelphia, PA May 2021 – June 2023

**Project:** Auto Decision Modeling, Auto Pre Qualifying Modeling, Default Modeling, CECL Stress Testing Validation, Portfolio Growth Modeling

**Task:** Using Python, SQL and Tableau, I was responsible for creating various models and presenting information in easily digestible ways. These models helped speed up loan application processes, understand which customers were more likely to default, and build and simulate our stress testing models to see how the bank would perform in recessionary environments. Additionally, I created dashboards to quickly view data that was easy to understand and could show country wide, or industry trends for executives.

**Research Assistant for Richard Mshomba**, La Salle University August 2022 – May 2023

**Project:** [Africa and Preferential Trade: An Unpredictable Path for Development](#)

**Task:** Collected and analyzed economic data on countries in Africa for the purpose of analyzing their preferential trade agreements with the European Union and United States. Translated the data into tables featured within the book.

**Research Assistant for Elizabeth (Beth) Paulin**, La Salle University August 2021 – May 2022

**Task:** Compiled data collected from the American Community Survey, conducted analysis and created data tables involving summary statistics, general trends and cross county comparisons.

## Professional Service

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Coordinator for University of Houston Brown Bag Seminar	Fall 2024 - Present
Student Chair of the University of Houston Social Committee	Fall 2023 - Present

## Teaching Experience

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Instructor for Intermediate Microeconomics, University of Houston	Spring 2026
Teaching Assistant for Principals of Macroeconomics, Intermediate Microeconomics, Public Finance, the Social Economy and Enterprise Academy, and Microeconomic Theory (M.A), University of Houston	Fall 2023 - Fall 2025

## Honors, Scholarships and Fellowships

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Cullen Fellowship Travel Grant, University of Houston	2025
Geruson Award for Best Thesis, La Salle University	2023
Most Outstanding Student in College of Liberal Arts, La Salle University	2023
Flubacher Award for Commitment to Community Service, La Salle University	2022, 2023

## Additional Information

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**Languages:** English (native) and Spanish (limited working proficiency, B1 Level)

**Software:** Python, Stata, R, MATLAB, Mathematica, SQL, Tableau and  $\text{\LaTeX}$

**Citizenship:** American