Brian M. Murphy

Houston, TX | bmmurphy2@uh.edu | 215 983 3770 | sites.google.com/view/brianmurphyeconomics

linkedin.com/in/brian-murphy1/

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	(expected)
La Salle University, Philadelphia, PA	Aug 2019 – May 2023
B.A. in Economics & B.S. in Mathematics	

Research Interests

Labor, Human Capital, Education, Development and Health Economics

Working Papers

1. "Capital Expenditure by School Districts: Driven by Enrollment, or Administrative Convenience?" with Eva Loaeza Albino, Steven Craig, Sameer Malik, Md Abdullah Al Mashrur, Ryan McGregor and Bent Sorensen

2. "Women at Work: The Intergenerational Effects of World War II"

Work in Progress

1. "The Development Divide in Family Human Capital Investment" with Claus Portner.

2. "The Effect of Yelp Reviews on Market Concentration." with Vikram Maheshri.

3. "Library Access and Student Performance: Evidence from Tanzania"

Research Experience

Research Assistant for Development Innovation Ventures, World Education, Building Tomorrow through USAID Funding, Kampala, Uganda — December 2024 – Present

    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.

Research Assistant for Vikram Maheshri, University of Houston — November 2024 – Present

    Project: Police Departments Use of Predictive Policing Technology and Effects on Crime

    Task: 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.

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, R, 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.

Teaching Experience

Teaching Assistant for Intermediate Microeconomic, University of Houston	Spring 2025
Teaching Assistant for Intermediate Microeconomics and Public Finance, University of Houston	Fall 2024
Teaching Assistant for Principals of Macroeconomics, University of Houston	Fall 2023 - Spring 2024

Honors, Scholarships and Fellowships

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

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

Software: Python, Stata, R, MATLAB, Mathematica, SQL, Tableau and LaTeX

Citizenship: American