

# Malcolm Certain

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## Education

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**Brown University** *Sep. 2022 - Present*  
*Sc.B. in Applied Mathematics-Economics and Urban Studies, 4.0 GPA*

## Research Experience

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**Undergraduate Research Assistant** *Annenberg Institute*  
*Economics of Education* *Brown University*  
*Professor Anna Aizer* *Apr. 2025 - Present*

- Oversaw team of undergraduate research assistants and taught them coding skills and principles for empirical economic research

**Undergraduate Research Assistant** *Annenberg Institute*  
*Economics of Education* *Brown University*  
*Professor Matthew A. Kraft* *Sep. 2024 - Present*

- Ran event-study on the effects of weather-related natural disasters on student performance
- Read and summarized literature on staggered difference-in-differences for research team
- Created data visualizations describing relationships between climate change and public education
- Significantly improved runtime and memory efficiency of code processing large datasets

**Undergraduate Research Assistant** *Annenberg Institute*  
*Political Economy* *Brown University*  
*Professors Jesse Bruhn and Thea How Choon* *Jan. 2025 - Present*

- Cleaned and summarized data on language used in city council meetings in the US
- Came up with idea to use regression discontinuity design as paper's main empirical strategy

**Undergraduate Research Fellow** *Annenberg Institute*  
*Public Economics* *Brown University*  
*Professor Anna Aizer* *May 2024 - Jul. 2024*

- Cleaned and analyzed large amounts of US Census data
- Created maps showing timing of policy rollout across the US
- Helped other members of the research team learn Stata and debug code

## Teaching Experience

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**Undergraduate Teaching Assistant** *Dept. of Economics*  
*ECON 1430: The Economics of Social Policy* *Brown University*  
*Professor Emily Oster* *Jan. 2025 - Present*

- Assisted students with writing and debugging Stata code
- Helped students select a research design and empirical strategy for an original research paper

**Undergraduate Teaching Assistant** *Dept. of Economics*  
*ECON 1130: Intermediate Microeconomics (Mathematical)* *Brown University*  
*Dr. Alex Poterack* *Jan. 2024 - May 2024*

**Undergraduate Teaching Assistant** *Dept. of Mathematics*  
*MATH 0090, 0100, 0200: Calculus I-III* *Brown University*  
*Dr. Yu-Wen Hsu* *Jan. 2023 - May 2024*

## Awards and Honors

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Phi Beta Kappa

*Spring 2025*

Omicron Delta Epsilon

*Spring 2025*

## Skills

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**Programming Languages:** Stata, R (Tidyverse and data.table), Python

**Other Software:** Git, LaTeX, ArcGIS, QGIS