

# MATT VARKONY

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📍Ernst & Young: Miami, Florida

## WORK AND LEADERSHIP

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### Ernst & Young

Feb 2024 - Current

*Climate Change and Sustainability Services (CCaSS) - Manager*

- Climate risk expert for the CCaSS service line.

### Department of Environmental Science and Policy

Aug 2018 - Current

*PhD Researcher / Teaching Assistant*

Miami, FL

- Co-authored [peer-review article](#) for inter-disciplinary climate journal with impact factor 9.116.
- Led lab meetings and assisted in advising students (4) during their graduate school experience.
- Taught R Programming to ~ 8 graduate students in weekly discussion sessions for 1 semester.
- Taught spatial statistics/programming to ~ 25 undergraduate students, 3x per week, for 1 semester.
- Acquired, cleaned, and performed statistical analysis on ( $\geq 10$ ) gigabyte sized data sets using R programming.
- Geocoded 100's of thousands of properties.
- Research assistant for [peer-review article](#) in economics journal with impact factor 3.923.

### Tampa Bay Regional Planning Council

Sep 2021-Aug 2022

*National Academies of the Sciences: Gulf Research Program's Science Policy Fellow*

Tampa Bay, FL

- Led cross-disciplinary research team on \$500,000 JPMorgan Chase Foundation Grant
- Lead author of Resilience and Energy Assessment of Communities and Housing ([REACH](#)) Report
- Presented results from REACH Report to local policy makers at regional conference

### University of Miami's Office of Community and Civic Engagement

Jan 2020 - Jan 2021

*Graduate Researcher*

- Led development of [Resilience Policy Toolkit](#) in partial fulfillment of JPMorgan Chase Grant
- Collaborated with a cross-disciplinary team (~ 20 people) to create an interactive map and dashboard identifying climate risk to subsidized housing throughout Miami-Dade County.

## EDUCATION

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### University of Miami, Dept. of Environmental Science and Policy

Miami, FL

*PhD in Environmental Economics*

2018 - 2024

- Graduate Student Coastal and Ocean Fellowship (\$25,000)
- Gulf Research Science Policy Fellowship (\$65,000)

### University of Miami

Miami, FL

*Masters in Natural Hazards Analysis*

2016 - 2018

*Bachelor of Science(s): Mathematics and Economics*

2012 - 2016

## TECHNICAL SKILLS

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### Advanced Programming:

R (Data Wrangling, Econometrics, Spatial Analysis), git, latex

### Proficient Programming:

MATLAB, Python, SQL

### Software & Tools:

GIS (ArcPro), Arc StoryMaps, Microsoft Suite, Adobe Suite, Qualtrics

### Languages:

English (Native), Spanish (Proficient)

### Interests:

(International/National) Politics, Golf, Basketball, Reading, My Dog