

# Matthew McKetty

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## Personal Profile

I am a University of Wisconsin - Madison doctoral student in applied economics in the field of development, working on topics at the intersection of development, trade and structural change. My primary regions of focus are the Caribbean and Sub-Saharan Africa.

## Education

### University of Wisconsin - Madison

PhD. in Agricultural and Applied Economics

Madison, WI

Sept 2020 - Expected May 2026

- Primary Field: Development
- Secondary Fields: International Trade, Structural Change

### University of Wisconsin - Madison

M.S. Agricultural and Applied Economics

Madison, WI

Sept 2020 - May 2022

### Ecole d'Ingénieurs de Purpan

Purpan Agriculture Summer Study and Internship Program

Toulouse, France

June 2018 - July 2018

### University of Florida

B.A. Economics, Minor French and Francophone Studies

Gainesville, Florida

August 2015-May 2019

- Graduated Cum Laude, Phi Beta Kappa

## Research Experience

### International Monetary Fund

Strategy, Policy, and Review External Policy (SPRXP) Intern - Fund Internship Program (2024)

Washington, DC

6/3/2024 - 8/23/2024

- Worked on the IMF PortWatch trade platform which provides real-time estimates of global trade flows utilizing satellite data on ship movements.
- Planned and constructed a data cleaning and analysis system to enable evaluation and refining of platform estimates.
- Employed statistical tools in implementing updates to the platform.
- Participated in the planning and writing of an IMF working paper on the PortWatch platform methodology.

### University of Wisconsin - Madison

Research Assistant - Mali Climate and Household Well-Being Study

Madison, Wisconsin

9/1/2021 - 8/31/2024

- Primary research assistant on a study investigating the relationship between changes in climate and changes in household well-being in Mali, using remotely sensed vegetation indices as a proxy for agricultural yields.
- Conducted data cleaning and statistical analysis on an expansive Malian household dataset, the Enquête Modulaire et Permanente auprès des Ménages 2020, spanning the previous decade.
- Carried out analysis of crop health across Mali measured by remote-sensed vegetation indices calculated using the geospatial system Google Earth Engine, which uses a version of Javascript.
- Conducted regressions of outcome variables from the household dataset, on vegetation index data with outcome variable data at the household level, and vegetation data at the commune level.

## Teaching Experience

### University of Wisconsin - Madison

Teaching Assistant-Introduction to Agricultural and Applied Economics (Undegraduate)

Madison, Wisconsin

Jan 2023 - May 2023

- Prepared materials for and taught weekly discussion sections to 50+ undergraduate students reviewing and expanding upon class material.
- Held consultation hours, graded most class assignments, and assisted with many of the administrative aspects of the class.

## Prior Work Experience

### University of Florida Information Technology

Reporting and Analytics Intern

Gainesville, Florida

Jan 2019 - Jun 2020

- Worked on projects for the team tasked with utilizing academic data to produce actionable recommendations for different campus offices at the University of Florida.
- Worked in SQL and Python in order to assist the business school in building out a system to allow them to better analyze and track the success of their graduates.
- Played a leading role in the interview, hiring and on-boarding process for the new set of interns joining UF Information Technology to replace my internship cohort.

## Working Papers

Nowcasting Global Trade from Space

Serkan Arslanalp, Seung Mo Choi, Parisa Kamali, Robin Koepke, Matthew McKetty, Michele Ruta, Mario Saraiva, Alessandra Sozzi, Jasper Verschuur

IMF Working Papers 2025.093 (May 2025) p. 1. International Monetary Fund (IMF), 2025

## Selected Works in Progress

- **Climate and Consumption: Evidence From Mali** *Jeremy Foltz and Matthew McKetty*
- **Tourism and Household Welfare: Evidence from Jamaica (Job Market Paper)**

## Skills

**Programming** R (Advanced), STATA (Advanced), Python (Intermediate), Julia (Beginner)

**Miscellaneous** LaTeX, ArcGIS Pro, Git, Google Earth Engine

**Soft Skills** Strong communicator, Adept at working in teams, Planning and Organization.

## Fellowships

2024	<b>Awarded 2nd Year of SciMed Graduate Research Scholars Doctoral Fellowship- Dissertator</b> , University of Wisconsin - Madison	Madison, WI
2020	<b>Awarded SciMed Graduate Research Scholars Doctoral Fellowship</b> , University of Wisconsin - Madison	Madison, WI

## Grants and Awards

2025	<b>Research Presentation Travel Award (\$1000)</b> , UW - Madison Department of Agricultural and Applied Economics	Madison, WI
2025	<b>Research Presentation Travel Grant (\$1400)</b> , UW-Madison Latin American, Caribbean, and Iberian Studies Program	Madison, WI
2024	<b>Research Presentation Travel Grant (\$1300)</b> , UW-Madison Latin American, Caribbean, and Iberian Studies Program	Madison, WI
2024	<b>Research Presentation Travel Award (\$1000)</b> , UW - Madison Department of Agricultural and Applied Economics	Madison, WI
2023	<b>Awarded Short-term Research Grant for dissertation research in Jamaica (\$1500)</b> , UW-Madison Graduate School	Madison, WI

## Achievements

2025	<b>Accepted to Present at the Center for the Study of African Economies Annual Conference (2025)</b> , St. Catherine's College, University of Oxford	Oxford, UK
2024	<b>Accepted to Agricultural and Applied Economics Association Annual Conference</b> , Agricultural and Applied Economics Association	New Orleans, LA
2024	<b>Presented at West Indies Economic Conference</b> , Department of Economics, University of The West Indies	Kingston, JM
2024	<b>Presented at the Center for the Study of African Economies Annual Conference</b> , St. Catherine's College, University of Oxford	Oxford, UK
2021	<b>Achieved B2 Level of Proficiency in French Language</b> , Diplome d'etudes en Langue Francaise (DELF)	Chicago, IL
2018	<b>Awarded \$2000 Sones Scholarship for Summer Study in Toulouse, France</b> , University of Florida	Gainesville, FL

## Languages

**English** Native

**French** Advanced Proficiency, DELF B2

## References

**Jeremy Foltz (Advisor)**

Professor, Agricultural and Applied Economics

University of Wisconsin - Madison

[jdfoltz@wisc.edu](mailto:jdfoltz@wisc.edu)

**Dustin Frye (Committee Member)**

Assistant Professor, Department of Agricultural and Applied Economics

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**Priya Mukherjee (Committee Member)**

Assistant Professor, Agricultural and Applied Economics

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**Kim Ruhl (Committee Member)**

Professor, Department of Economics

*University of Wisconsin - Madison*

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