

Andrew D. Miller

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EDUCATION

The Ohio State University

PhD in Agricultural, Environmental and Development Economics

Columbus, OH

August 2024

The Ohio State University

Bachelor of Science in Economics (Cum Laude)

Columbus, OH

August 2014

RESEARCH EXPERIENCE

Research Economist

NOAA National Marine Fisheries Service

August 2024 – March 2025

St. Petersburg, FL

- Worked on a complex bioeconomic model to analyze the interaction between fish stock and the benefits generated by fishing in U.S. Federal waters.
- Conducted literature review to inform best practices in model production in modeling the choices of recreational fishermen.
- Estimated predictive count data model as part of a larger bioeconomic model being built to help managers set fishing regulations.
- Worked to produce research relevant to pressing needs of stakeholders.

Research Assistant

REFRESH project on monetizing forest ecosystem services in India

January 2023 – April 2024

Columbus, OH

- Lead author on a paper estimating the value of forests in mitigating acute respiratory infections in India using a Hierarchical Linear Model.
- Assisted with geospatial data curation and analysis (analysis conducted using R spatial packages).
- Drafted literature review on non-market valuation of forests in India in peer-reviewed publication.
- Assisted with manuscript preparation and submission.

Research Assistant

OSU-CUA Ghanaian Agricultural Index Insurance Project

May 2019 – April 2020

Columbus, OH

- Assisted in developing novel agricultural insurance products.
- Managed multiple Institutional Review Board research applications.
- Conducted focus group interviews to inform survey design.
- Assisted in the design of a household-level survey and lab experiment (using Qualtrics software).
- Oversaw training of enumerators and data collection in the field.
- Assisted in cleaning and analysis of collected survey data.

RESEARCH

Selected papers

- Miteva, D.A., Cheng, Y.S., Miller, A., Gopalakrishnan S. (2025). The value of forests in reducing malaria mortality in India. *Environmental and Development Economics*. Published online 2025:1-19. doi:10.1017/S1355770X25000075
- Miller, A.D., Miteva, D.A., Gopalakrishnan S. (2024). Policies to promote wildlife conservation in a spatially heterogeneous landscape. *Working paper*.
- Miller, A.D., Miteva, D.A., Gopalakrishnan S. (2024). The Role of forests in reducing the incidence of Acute Respiratory Infections: Evidence from India. *Working paper*.
- Miller, A.D., Miteva, D.A. (2024). Storage as a determinant of market participation: Evidence from northern Ghana. *Working paper*.
- Miteva, D.A., Gopalakrishnan, S., Cheng, S., Miller, A., Zhu, K. (2024). The value of forests in rural India. *Working paper. Target journal: PNAS*.

TEACHING EXPERIENCE

Courses taught

- Introduction to Economics
- Data Analysis for Agribusiness and Applied Economics
- Managerial Economics for Agribusiness

Graduate Teaching Assistant

- Principles of Food and Resource Economics
- International Commerce and the World Economy
- Economics of Public Policy Analysis

TECHNICAL SKILLS

Proficient: R, MATLAB, L^AT_EX, Microsoft Office Suite

Intermediate: Python, STATA, QGIS, GAMS, R Markdown

Basic: SQL