

GODWIN KWESI NUTSUGAH

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EDUCATION

University of Georgia

PhD, Agricultural & Applied Economics

Expected Spring 2025

Michigan State University

MS, Agricultural Food & Resource Economics

August 2022

University of Ghana, Legon

B.A Economics & Mathematics

May 2016

SELECTED WORKING PAPERS

Recency Effect of Weather Shocks on Fertilizer Adoption: Evidence from Nigeria (Job Market Paper, *Link to draft*)

Abstract: Fertilizer use in sub-Saharan Africa (SSA) remains significantly below recommended rates, contributing to low crop yields and persistent poverty. This study investigates the impact of weather-induced recency bias on fertilizer use by maize farmers in Nigeria. Weather-induced recency bias is a cognitive bias where farmers' expectations about future weather are overly influenced by recent events, leading to misallocation of inputs. Utilizing data from the Nigeria Living Standards Measurement Study-Integrated Survey on Agriculture (LSMS-ISA) and other sources, this study provides statistical evidence that farmers' fertilizer use decisions are significantly influenced by recent weather shocks in ways other than liquidity constraint. Further analysis also shows that farmers' weather-induced recency bias exhibits a negative asymmetric impact on fertilizer use. Specifically, negative weather shocks from the previous season reduce fertilizer use, and positive shocks do not increase it by the same amount. This effect is particularly pronounced among asset-poor households, indicating a strong pessimistic response to adverse weather conditions. These results suggest that weather-induced recency bias could partly explain the low fertilizer use in SSA. Therefore, providing accurate and timely weather forecasts before the start of the growing season could enhance efficient fertilizer use and improve agricultural productivity.

The Impacts of Child Health Conditions on Maternal Employment Outcomes

with Yawotse Nouve, Ellen McCullough and Nicholas P. Magnan

WORK IN PROGRESS

Are Consumer Demand Models in Developing Countries Biased When they Ignore Farm Profit Effects? Evidence from Malawi.

with Ellen McCullough and Chen Zhen

ACADEMIC PRESENTATIONS

2024: Selected Paper Presentation at the Agricultural & Applied Economics Association (AAEA) Conference, New Orleans, LA.

Article title: '*Recency Effect of Weather Shocks on Fertilizer Adoption: Evidence from Nigeria*'

2023: Selected Poster Presentation at AAEA Conference, Washington, DC.

Article title: '*Recency Effect of Weather Shocks on Fertilizer Adoption: Evidence from Uganda*'

2022: Seminar, Development Workshop, Department of Agricultural & Applied Economics, UGA
Article title: ‘*On Measuring the Climate Impact on Fertilizer Adoption: Evidence from Nigeria*’

TEACHING EXPERIENCE

University of Georgia

Course Instructor: AAEC 2580E (Applied Economics Principles) Summer 2023
(Link to course evaluations here)

Teaching Assistant: AAEC 7860 (Natural Resource Economics 1) Spring 2023

Teaching Assistant: AAEC 3980 (Intro to Agribusiness) Fall 2021

Southwind High School (Shelby County School District, Memphis, Tennessee)

Course Instructor: Algebra 2 Spring 2021

Michigan State University

Teaching Assistant: FIM 220 (Food Product Marketing) Spring 2019

University of Ghana-Legon

Teaching Assistant: Math351 (Linear Algebra) Fall 2016

Teaching Assistant: Math222 (Vector Mechanics) Fall 2016

Teaching Assistant: Math123 (Vectors and Geometry) Spring 2016

RESEARCH EXPERIENCE

- *Research Assistant (RA)* to Ellen McCullough, University of Georgia 2022/present
- *RA* to Thomas Jayne, Michigan State University 2018/2020
- *RA* to Felix Kwame Yeboah, Michigan State University 2018/2020

GRANTS, HONORS, AND AWARDS

Grant, Graduate School Travel Grant (\$300) 2023

NABE Scholar, National Association of Business Economics Scholars Class of 2023 2023

SERVICE

Referee for Agricultural and Resource Economics Review 2024

Social Event Planner 2023/2024
Graduate Student Organization

President 2015/2016
The Mathematical Society, Department of Mathematics, University of Ghana

TECHNICAL SKILLS

Software: RStudio, Python, Stata, LaTeX, SAS, MATLAB, ArcGIS, Microsoft Office Suite

Languages: English (fluent), Akan (native)

REFERENCES

Ellen McCullough
Assistant Professor
Major Professor
University of Georgia
emccullough@uga.edu

Mateusz Filipski
Associate Professor
Committee Member
University of Georgia
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Craig Landry
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