Derick Adu

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Career Objective

I am keen on exploring the application of big data to understanding economic outcomes and the application of causal inference modeling results to business strategy and decisions.

Academic Positions

01/2023-present   *Graduate Research Assistant in Ag. & Applied, Texas Tech University*

- Assisted faculty members in writing research proposals.
- Analyzed the impact of COVID-19 on household food insecurity in Malawi using the Ordered Probit model.
- Analyzed the drivers of Crop Abandonment in Malawi.
- Analyzed primary and secondary data using STATA, R, and EViews.

08/2022-12/2022   *Graduate Assistant in the Department of Economics, Central Michigan University*

- Extracted and analyzed 15 years of time series data on interest rates, employment, and GDP for 20 countries
- Proficient in working with large datasets from various sources, including the World Bank, and Census Bureau. Use analytical, problem-solving, time management, technical skills, and statistical software like STATA and R to execute complex data-related projects. Guided undergraduate students in their research endeavors, helping them find suitable research topics, locating relevant data, addressing coding issues, performing data analysis, and preparing marking schemes.

10/2020-10/2021   *Teaching Assistant in the School of Economics, University of Cape Coast*

- Tutored students in principles of microeconomics, capital market, intermediate microeconomics, and Project Appraisal.

10/2020-10/2021   *Research Assistant in the School of Economics, University of Cape Coast*

- Collaborated with the School of Economics on research projects, assisting in various tasks such as data collection and analysis.

08/2024-12-2024   *Group Discussion leader in the Department of Agricultural and Applied Economics, Texas Tech*

- Assisted in group discussions of an undergraduate course, Agricultural Policy.

Education

08/2024-present   Ph.D. in Agricultural and Applied Economics, Texas Tech University (STEM-Designated)

01/2023-08/2024   MS in Agricultural and Applied Economics, Texas Tech University (STEM-Designated) **(GPA: 3.77/4.0)**

08/2022-12/2022   MA Economics (Transferred), Central Michigan University. **(GPA: 3.9/4.0)**

08/2016-07/2020   Bachelor of Arts (Economics &Mathematics), University of Cape Coast. **(GPA: 3.6/4.0)**

Relevant coursework: Applied Econometrics I & II, Advanced Microeconomics, Advanced Macroeconomics,

International Trade, Agribusiness Analytics, Advanced Calculus 1 &2,

Abstract Algebra, Probability, and Statistics, Advanced Production

Economics, Advanced Market Analysis, Applied Microeconomics I&II, Demand Analysis.

Industry Experience

10/2021-07/2022   *Teller and Customer Service Officer, United Bank for Africa*

- Performed branch servicing activities such as vault balance, bulk cash management, cash pick-up using bullion services, implant teller services, cash orders, and marketing of the bank product to the customers.
- Efficiently completed customer transactions, including but not limited to cashing checks, receiving deposits, withdrawals, cash balancing, savings account transactions, processing transfers, opening accounts, and handling bulk cash. This experience allowed me to cultivate crucial skills, including meticulous attention to detail, rapid learning and adaptation to dynamic environments, and exceptional customer service abilities, leading to a 20% increase in profit and being ranked First in excellent customer service.

Work in Progress

Derick Adu and Darren Hudson, "*COVID-19 Impacts on households food insecurity in Malawi*"

Nixon S. Chekenya, Canicio Dzingirai and Derick Adu. "*What Drives Crop Abandonment in Zambia*"

Conference Presentation

06/2024   Western Agricultural Economics Association. San Francisco, California (Scheduled)

02/2025   Southern Agricultural Economics Association, Irving, Texas

Awards, Scholarships, and Grants

01/2024   Texas Tech University Distinguish Graduate Student Assistantship (DGSA), $25,000

01/2023   Texas Tech University Scholarship, $2,000

Texas Tech Graduate Research Assistantship, $20,000 (plus tuition fee waivers)

08/2022   Central Michigan University Graduate Assistantship Award, $13,000 (Plus, tuition fee waivers)

10/2020   University of Cape Coast, First Class Honor.

Sports Leadership Positions

08/2022-12/2022   *Intramural official, Central Michigan University*

- Officiate American football, basketball, volleyball, and soccer.

Volunteer Roles

12/2022-present   *Direct Support Professional*

- Supporting people with disabilities

09/2023   *Davis College Graduate Poster Competition*

- Data entry and checking of scores of competitors

Professional Memberships

African Association of Agricultural Economists (AAAE), Agricultural and Applied Economics Association (AAEA), Agricultural Economics Graduate Student Association (AEGSA), Association of Economics Students (AES), The National Society of Leadership and Success (NSLS), Western Agricultural Economics Associations (WAEA), Southern Agricultural Economics Association (SAEA)

Skills and Interests

- Market Research: Proficient in conducting market research to identify growth opportunities and threats. I am skilled at designing and implementing surveys, interviews, and focus groups to gather primary data.

- Software Proficiency: Experienced in using statistical and data analysis software such as Excel, SAS, and data visualization tools
- Data Analysis: Adept at collecting, cleaning, and analyzing large datasets using statistical software (e.g., R, Python, or STATA). Experienced in performing regression analysis, time series forecasting, and econometric modeling to extract meaningful insights.
- Technical Proficiency: Experienced in using Microsoft Word, Excel, PowerPoint, SharePoint, Outlook; ArcGIS; LATEX, Tableau, Power BI, SQL
- Forecasting and Trend Analysis: Proven ability to identify emerging economic trends and forecast future market conditions. Skilled at using historical data and predictive modeling techniques to inform business strategies.
- Reporting and Communication: Strong written and verbal communication skills, with the ability to distill complex economic concepts into clear, actionable recommendations. Experienced in preparing and delivering presentations to senior management and clients

Languages

English   Proficient