

# Francis Effah Boateng

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## EDUCATION

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### University of Maine

*Master of Science in Economics*

**Orono, ME**

*Expected May 2025*

### University of Ghana

*BA in Statistics And Economics; (First Class Honors)*

**Legon, Ghana**

*Aug 2018 – Sep 2022*

## WORK EXPERIENCE

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### School of Economics, University Of Maine

*Graduate Teaching Assistant*

**Orono, ME**

*August 2024 – Present*

- Offering support in economics courses like Principles of Macroeconomics and Urban Economics.
- Evaluating and grading assignments
- Administered and supervised quizzes and exams, ensuring a secure and fair testing environment.
- Provide additional support to struggling students, improve student retention and performance in their courses, and enhance student engagement and participation.

### School of Economics, University Of Maine

*Graduate Research Assistant*

**Orono, ME**

*August 2023 – Present*

- Synthesizing complex datasets for analysis and interpretation.
- Analyzing research findings with a focus on economic impacts.
- Presenting scholarly work in top-tier economic journals or articles.

### Department of Statistics and Actuarial Science, University Of Ghana

*Teaching and Research Assistant*

**Legon, Ghana**

*October 2022 – November 2023*

- Contributed to the instruction of courses, including Design of Experiments, Elementary Statistical Methods, Non-Parametric Statistics, and Analysis of Experimental Design.
- Collaborated in overseeing the academic projects of some undergraduate students.
- Developed lecture materials and presentations utilizing  $\text{\LaTeX}$  typesetting system.
- Offered personalized tutoring sessions for a range of courses, including Econometrics, Economic Theory, Macroeconomics, and Statistical Inference.
- Guided a cohort of 50+ students on effective study techniques and personal growth strategies, resulting in a 25% improvement in academic performance and a 40% increase in student satisfaction.

### Process and Plant Automation Limited

*Inventory and Procurement Assistant Intern*

**Spintex, Ghana**

*June 2021 – August 2021*

- Assisted in the procurement of goods and services.
- Responsible for keeping inventory stocks for the company.
- Assisted in the preparation of cost and benefit analysis records.
- Preparing MRs for various work projects for engineers in various fields.

## SKILLS SUMMARY

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**Programming Languages:** Intermediate knowledge in R, QGIS, LaTeX, Matlab, SQL and STATA

**Software:** R Studio, Matlab, SPSS, QGIS, MySQL, Microsoft Office

## PUBLICATIONS AND ACADEMIC PROJECTS

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- Is Connectedness a Leading Indicator of Financial Crises? (2024). **Work in progress.** ( Prof. Thomas Wiesen, **Francis Effah Boateng**, Katie Losquadro, Johnson Oliyide, and Oluwasegun Adekoya)
- The Effect of Cultural and Arts Amenities in Rural Communities (2024). **Work in progress.** ( Prof. Todd Gabe, Prof. Thomas Wiesen, and **Francis Effah Boateng**).
- Baidoo, D., Okeke, O. J., Osarfo, S. F., Appiah, N., Agyei-Owusu, F., Frimpong, J. A., Kubuafor, E., Amevor, R., Duah, A., **Boateng, F. E.**, et al. (2024). "Comparing Malaria Trends in the Comoros Islands: ARIMA Modeling and Retrospective Analysis." Proceedings of the Euro-Mediterranean Conference for Environmental Integration (EMCEI-24), Marrakech, Morocco, 15–18 May 2024. **[under review]**.[\[link\]](#)
  - *Generated and utilized ARIMA modeling and retrospective analysis to compare malaria trends in the Comoros Islands, providing insights for public health improvements.*
- Baidoo, D., Osarfo, S. F., Agyei-Owusu, F., Appiah, N., E., **Boateng, F. E.**, et al. (2024). "Biostatistical Evaluation of West Nile Virus Outbreak in the United States."**[under review]**.[\[link\]](#)
- Economic Dynamics of Income and Consumer Price Index: Unveiling Regional Relationships in the United States. (2023)(**Comprehensive Poster Activity in ECO 530**) [\[link\]](#)
  - *Conducted a detailed investigation using robust statistical methods to analyze the relationship between personal income and the Consumer Price Index across various U.S. regions from 1998 to 2022.*
- Exploring the Inflation-Unemployment Tradeoff: A Vector Autoregression Approach (April 2024) (**Comprehensive Project Report**)[\[link\]](#)
  - *Demonstrated through ARIMA and VAR models that while short-term fluctuations occur, the traditional Phillips Curve trade-off does not hold consistently, confirming a vertical Phillips Curve with no permanent trade-off between inflation and unemployment over the long term in the United Kingdom.*

## PROFESSIONAL MEMBERSHIP

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- American Economics Association (AEA)
- World Economics Association (WEA)
- National Association for Business Economics (NABE)

## VOLUNTEER EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

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**Christ Community Network, University of Ghana**

*General Secretary*

**Legon, Ghana**

*July 2021 – August 2022*

- Conducted weekly meetings to supervise and evaluate progress in critical aspects of the chapter.
- Made publications of notice for members of the union.
- Led 30+ members to work towards goals that improve and promote community service, academics, and unity as well as writing various reports for the union.

**Volunteer Work****Legon, Ghana***Private Tutor**September 2017 – October 2017*

- Successfully led a group of 15 math students under self-made teaching that resulted in 90% of students achieving an A in their final exam.
- Worked to tailor better ways to teach students the curriculum and make it more engaging.

**Interests**

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Listening to music, watching football, Playing online games, and cooking