

# JUSTICE AMEYI

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## EDUCATION

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**Interdisciplinary Ph.D. program in Biostatistics** 2021 - 2026  
*The Ohio State University, Columbus, OH, USA*  
GPA: N/A

**M.S. Applied Statistics and Analytics** 2019 - 2021  
*Central Michigan University, Mt. Pleasant, MI, USA*  
GPA: 4.0/4.0

**BSc. (Hons) Mathematics and Statistics** 2013 - 2017  
*University of Ghana, Accra, Ghana*  
GPA: 3.55/4.0

## RESEARCH INTERESTS

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- Bayesian Analysis
- High-dimensional Data Analysis
- Adaptive Clinical Trials
- Statistical Computing
- Bioinformatics
- Survival Analysis

## WORK EXPERIENCE

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**Research and Statistical Consulting, Central Michigan University** Aug. 2019 - May 2021  
– Analyzed BRFSS, SEER and NIS datasets using SAS.  
– Conducted research in Bayesian Statistics.

### Teaching

- *Central Michigan University* Jan. - May 2020  
– STA 282QR: Introduction to Statistics
- *University of Professional Studies, Accra, Ghana* Jan. 2019 - May 2019  
– BASC 208: Risk Theory  
– BASC 306: Stochastic Processes
- *Regent University College of Science and Technology, Ghana* Jan. 2018 - Jul. 2018  
– STAT 532: Modern Statistical Inference  
– STAT 549: Advanced Sampling Techniques
- *University of Ghana (National Service)* Aug. 2017 - Jul. 2018  
– STAT 111: Introductory Statistics  
– STAT 112: Elementary Probability  
– STAT 441/601: Statistical Inference: Estimation & Decision Theory  
– STAT 442/602: Statistical Inference: Hypotheses Testing

**Survey Enumerator, Amplifies Ghana Project** Jul. 2018  
– Collected data from two districts in Ghana for their Egg Consumption survey, funded by the USDA.

## HONORS & AWARDS

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Graduate Fellowship, *The Ohio State University* 2021

## WORKING PAPERS

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1. Cheng, C., Ameyi, J. (2021) *Bayesian Estimators of the Power-Cauchy Distribution with Applications*. [Ongoing]
2. Ameyi, J., Amezziane, M. (2021) *On The Difference of Two Means of Two Discrete Samples*. [Ongoing]
3. Dahiya, D. S., Kichloo, A., Singh, J., Cheng, C., Ameyi, J., & Al-Haddad, M. (2021) *Celiac Disease: Epidemiological Trends, Hospitalization Characteristics and Adverse Outcomes in the United States from 2007 – 2017*. *Journal of Clinical Gastroenterology* [Submitted]

## COMPUTING SKILLS

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### Statistical Software:

R, SAS, Minitab, SPSS, STATA, Tableau

### Programming Languages:

Python, Maple, SQL, C++ (*Basic*)

### Reproducible Research/Publishing:

L<sup>A</sup>T<sub>E</sub>X, R Markdown, LyX, Git, Microsoft Office Suite

## CONFERENCES & PRESENTATIONS

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- **ISBA 2021**: The 15th World Meeting of the International Society for Bayesian Analysis, *Online/Virtual*, Kunming, China, June 28 - July 2, 2021.
- **ICOSDA 2019**: The 3rd International Conference on Statistical Distributions and Applications, Grand Rapids, MI, USA, October 10 - 12, 2019.

## CERTIFICATIONS

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- **Short Courses at ISBA 2021** June 2021
  - An Introduction to Bayesian Record Linkage by Rebecca Steort.
  - Applied Bayesian Nonparametric Mixture Modeling by Athanasios Kottas.
  - Bayesian Modeling of Brain Imaging Data by Michele Guindani.
  - Advanced Topics in Variable Selection and Model Averaging by Joseph Antonelli & Antonio Linero.
  - Bayesian Adaptive Clinical Trial Designs by Ying Yuan & Jack Lee.
- **On Coursera**
  - [Specialization: Python for Everybody](#) University of Michigan Mar. 2020
  - [Bayesian Statistics: Techniques and Models](#) Univ. of California, Santa Cruz Feb. 2020
  - [Bayesian Statistics: From Concept to Data Analysis](#) Univ. of California, Santa Cruz Nov. 2019
- **SAS Certified Specialist: Base Programming Using SAS 9.4** Dec. 2019

## EXTRACURRICULAR ACTIVITIES

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- Treasurer**, *Bio(Statistics) Graduate Students Association, O.S.U.* Aug. 2021 - Present<sup>1</sup>
- Vice President**, *Statistics and Data Science Club, C.M.U.* Aug. 2020 - July 2021
- Treasurer**, *Akuafu Hall, U.G.* Dec. 2015 - Nov. 2016
- Managed financial affairs of the 2000+ student body.
  - Secured sponsorship to renovate two reading rooms in the hall, among other projects.
  - Organized two financial literacy programs with high-profile speakers from academia and industry.
- Sponsorship Committee Member**, *Ghana Association of Statistics Students, U.G.* May 2014 - Apr. 2015
- Helped secure sponsorships from corporate bodies to finance projects of the association.

## PROFESSIONAL AFFILIATIONS

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<sup>1</sup>Last Updated on July 5, 2021