

# 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
- Clinical Trials
- Statistical Genetics
- Bioinformatics
- Survival Analysis

## WORK EXPERIENCE

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**Graduate Assistant, Central Michigan University** Aug. 2019 - May 2021

- Fall 2020 - Spring 2021: Statistical Consulting
- Spring 2020: Teaching Assistant (Introductory Statistics class instructor)
- Fall 2019: Research Assistant

### Teaching Assistant

- *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.

## 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) *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

## HONORS & AWARDS

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Susana Huntington Dean's Distinguished University Fellowship, *The Ohio State University*

2021

## 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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American Statistical Association\*

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<sup>1</sup>Last Updated on July 3, 2021