JUSTICE AMEYI

CONTACT INFORMATION

Mailing Address:	241 Cunz Hall, 1841 Neil Avenue	404 Cockins Hall, 1958 Neil Avenue
	College of Public Health	Department of Statistics
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EDUCATION

Ph.D. 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

HONORS & AWARDS

Dr. Gary G. and Mrs. Carolyn J. Koch Graduate Fellowship, *The Ohio State University* 2021-2022

RESEARCH INTERESTS

Bayesian methods, bioinformatics, statistical genetics, high-dimensional data analysis, statistical computing & graphics.

WORK EXPERIENCE

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. - May 2019
  - BASC 208: Risk Theory
  - BASC 306: Stochastic Processes

- *Regent University College of Science and Technology, Ghana* Jan. - 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

1. **Ameyi, J.**, Cheng, C., Cooray, K. (2021) *Bayesian Estimators of the Power-Cauchy Distribution.* [**Ongoing**]

2. **Ameyi, J.**, Amezziane, M. (2021) *Exact Distribution of The Difference of Means for 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.* **Submitted to Journal of Clinical Gastroenterology**

COMPUTING SKILLS

Statistical Software: R, SAS, Minitab, SPSS, STATA, Tableau

Programming Languages: Python, Maple, SQL, C++ (*Basic*)

Reproducible Research/Publishing: LaTeX, R Markdown, LyX, Git, Microsoft Office Suite

CONFERENCES & PRESENTATIONS

- 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

- **Short Courses at ISBA 2021**   June 2021
    - An Introduction to Bayesian Record Linkage, by Dr. Rebecca Steort.
    - Applied Bayesian Nonparametric Mixture Modeling, by Dr. Athanasios Kottas.
    - Bayesian Modeling of Brain Imaging Data, by Dr. Michele Guindani.
    - Advanced Topics in Variable Selection and Model Averaging, by Drs. Joseph Antonelli & Antonio Linero.
    - Bayesian Adaptive Clinical Trial Designs, by Drs. 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

Treasurer, *Statistics & Biostatistics Graduate Students Association, O.S.U.*   Aug. 2021 - Present
- Managing the association's income and expenses.
- Help organize social events like hiking, "ice cream social", soccer games, among others.

Vice President, *Statistics & Data Science Club, C.M.U.*   Aug. 2020 - July 2021
- Organized virtual bi-weekly seminars with student, faculty, and guest speakers.

Treasurer, *Akuafo 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 MEMBERSHIP

Member, American Statistical Association (ASA)
- Member of ASA Sections on statistical genomics and genetics, Bayesian statistical science, and statistical computing.

REFERENCES

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