

JUSTICE AMEYI

CONTACT INFORMATION

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GitHub <https://github.com/j-ameyi>

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

RESEARCH INTERESTS

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

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. 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

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

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

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

Reproducible Research/Publishing: L^AT_EX, 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

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| Treasurer, Statistics & Biostatistics Graduate Students Association, O.S.U. | Aug. 2021 - Present |
| Vice President, Statistics & Data Science Club, C.M.U. | Aug. 2020 - July 2021 |
| 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.
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| Sponsorship Committee Member, Ghana Association of Statistics Students, U.G. | May 2014 - Apr. 2015 |
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- Helped secure sponsorships from corporate bodies to finance projects of the association.

PROFESSIONAL MEMBERSHIP

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REFERENCES

Chin-I Cheng, Ph.D.

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— Last Updated: July 18, 2021—