

JUSTICE AMEYI

CONTACT INFORMATION

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EDUCATION

Ph.D. in Biostatistics 2021 - Present¹
The Ohio State University, Columbus, OH

M.S. Applied Statistics & Analytics 2019 - 2021
Central Michigan University, Mt. Pleasant, MI

BSc. (Hons) Mathematics & Statistics 2013 - 2017
University of Ghana, Accra, Ghana

HONORS & AWARDS

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

RESEARCH INTERESTS

High-dimensional Data Analysis, Statistical Genomics, Survival Analysis, Causal Inference, Bayesian Methods.

WORK EXPERIENCE

Graduate Research Associate, Division of Biostatistics, OSU May 2023 - Present
– Working on statistical methods for high-throughput genomic assays, supervised by Dr. Kellie J. Archer.

Graduate Teaching Associate, Department of Statistics, OSU Aug. 2022 - May 2023
– Summarized weekly material in 20-25 minute presentations, assisted with and graded activities for 100 students.
– Tutored at the Mathematics and Statistics Learning Center for 2 hours a week.

Graduate Research Assistant:

- *Statistical Consulting Center, CMU* Aug. 2020 - May 2021
 - Analyzed BRFS, SEER, and NIS datasets using SAS 9.4.
 - Prepared written reports for manuscript development.
- *Department of Statistics, CMU* Aug. 2019 - Dec. 2020
 - Explored theoretical properties of the Power-Cauchy distribution.
 - Drafted manuscript based on this work.

Teaching Assistant

- *Central Michigan University* Jan. - May 2020
 - STA 282QR: Introduction to Statistics (Primary Instructor)
- *University of Professional Studies, Accra, Ghana* Jan. - May 2019
 - Risk Theory, Stochastic Processes
- *University of Ghana (National Service)* Aug. 2017 - Jul. 2018
 - Introductory Statistics, Elementary Probability, Advanced Statistical Inference

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

¹Last updated on June 20, 2023

PUBLICATIONS

Peer-reviewed Journal Articles

1. Dahiya, D.S., Al-Haddad, M., Perisetti, A., Singh, A., Goyal, H., Cheng, C.I., Garg, R., Pisipati, S., **Ameyi, J.**, Sanaka, M.R. and Inamdar, S. (2022). Celiac disease hospitalizations: an emerging challenge in the United States. *Annals of Gastroenterology*, 35(4), p.383. PMCID: [PMC9210776](#), PMID: [35784629](#) doi: [10.14309/01.ajg.0000787260.01652.ea](#)

In Preparation

1. **Ameyi, J.**, Cheng, C. I., Cooray, K. (2023). Bayesian Estimators of the Power-Cauchy Distribution.
2. **Ameyi, J.**, Amezziane, M. (2023). On The Exact Distribution of The Difference of Means for Two Discrete Samples.

COMPUTING SKILLS

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

Programming Languages: Python, Maple, SQL

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

- Co-President**, *Bio(Statistics) Graduate Students Association, O.S.U.* Aug. 2021 - July 2022
- Managed the association's income and expenses.
 - Helped 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.
- 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) 2021 - Present
- Member of sections on Statistical Genomics and Genetics, Bayesian Statistical Science, and Statistical Computing.

REFERENCES

Kellie J. Archer, Ph.D.

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Peter F. Craigmile, Ph.D.

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