

# JUSTICE AMEYI

## CONTACT INFORMATION

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| <b>Mailing Address:</b> | 250 Cunz Hall, 1841 Neil Avenue<br>College of Public Health<br>The Ohio State University<br>Columbus, OH 43210- | 404 Cockins Hall, 1958 Neil Avenue<br>Department of Statistics<br>The Ohio State University<br>Columbus, OH 43210 |
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| <b>Website:</b>         | <a href="https://jameyi.netlify.app/">https://jameyi.netlify.app/</a>   |   |

## EDUCATION

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| <b>Ph.D. in Biostatistics</b>                      | 2021 - 2026 |
| The Ohio State University, Columbus, OH, USA       |             |
| GPA: N/A   |             |
| <b>M.S. Applied Statistics and Analytics</b>       | 2019 - 2021 |
| Central Michigan University, Mt. Pleasant, MI, USA |             |
| GPA: 4.0/4.0                                       |             |
| <b>BSc. (Hons) Mathematics and Statistics</b>      | 2013 - 2017 |
| University of Ghana, Accra, Ghana                  |             |
| GPA: 3.55/4.0                                      |             |

## HONORS & AWARDS

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| Dr. Gary G. Koch and Mrs. Carolyn J. Koch Graduate Fellowship, <i>The Ohio State University</i> | 2021-2022 |
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## 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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| <b>Research and Statistical Consulting, <i>Central Michigan University</i></b>   | Aug. 2019 - May 2021  |
| <ul style="list-style-type: none"><li>– Analyzed BRFSS, SEER and NIS datasets using SAS.</li><li>– Conducted research in Bayesian Statistics.</li></ul>  |                       |
| <b>Teaching</b>  |                       |
| <ul style="list-style-type: none"><li>• <i>Central Michigan University</i></li></ul>   | Jan. - May 2020       |
| <ul style="list-style-type: none"><li>– STA 282QR: Introduction to Statistics</li></ul>  |                       |
| <ul style="list-style-type: none"><li>• <i>University of Professional Studies, Accra, Ghana</i></li></ul>  | Jan. 2019 - May 2019  |
| <ul style="list-style-type: none"><li>– BASC 208: Risk Theory</li><li>– BASC 306: Stochastic Processes</li></ul>   |                       |
| <ul style="list-style-type: none"><li>• <i>Regent University College of Science and Technology, Ghana</i></li></ul>  | Jan. 2018 - Jul. 2018 |
| <ul style="list-style-type: none"><li>– STAT 532: Modern Statistical Inference</li><li>– STAT 549: Advanced Sampling Techniques</li></ul>  |                       |
| <ul style="list-style-type: none"><li>• <i>University of Ghana (National Service)</i></li></ul>  | Aug. 2017 - Jul. 2018 |
| <ul style="list-style-type: none"><li>– STAT 111: Introductory Statistics</li><li>– STAT 112: Elementary Probability</li><li>– STAT 441/601: Statistical Inference: Estimation &amp; Decision Theory</li><li>– STAT 442/602: Statistical Inference: Hypotheses Testing</li></ul> |                       |
| <b>Survey Enumerator, <i>Amplifies Ghana Project</i></b>   | Jul. 2018             |
| <ul style="list-style-type: none"><li>– Collected data from two districts in Ghana for their Egg Consumption survey, funded by the USDA.</li></ul>   |                       |

## WORKING PAPERS

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1. **Ameyi, J.**, Cheng, C., Cooray, K. (2021) *Bayesian Estimators of the Power-Cauchy Distribution*. [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*. Submitted to **Journal of Clinical Gastroenterology**

## 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 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**

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|--|---------------------------------|-----------|
| – 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
- Managing the association's income and expenses.
  - Serving as key financial leader of the association.
- Vice President, Statistics & Data Science Club, C.M.U.** Aug. 2020 - July 2021
- Treasurer, Akafo 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

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## REFERENCES

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**Chin-I Cheng, Ph.D.**

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