HAKEEM ADEKUNLE

GitHub — Linkedin — (404)5099042
adekunletem2022@gmail.com

Education

Georgia State University, Atlanta, GA
MSc Biostatistics   *2023-2025*
CGPA: 4.00/4.00

Federal University of Technology, Akure, Nigeria
B.Tech. in Statistics   *2015-2021*
CGPA: 3.80/4.00

Federal Polytechnic, Osun State, Nigeria
National Diploma in Mathematics & Statistics   *2013-2015*
GPA: 3.59/4.00

Research Experience

Georgia State University (MSc. Biostatistics)
Advisor — Prof. Yichuan Zhao

- Bayesian Jackknife Empirical Likelihood Inference-based for Missing Data and Measurement Error
- Estimation of Threshold time series models Using Efficient jump MCMC
- Bayesian Nonparametric Analysis of Restricted Mean Survival Time

Lab. of Food and Nutrition Research Unit (France)
Advisor — Gasmi Amin.

- Physical activity and obesity spectrum disorders in post-bariatric surgery patients: A systematic review and Meta-analysis. Critical Reviews in Food Science and Nutrition. Link
- Tryptophan and HTP supplementation in the treatment of cognitive and mood disorders: A systematic review and meta-analysis. Link

Undergraduage Research (FUTA-Nigeria)
Advisor — Prof. Fash.

- Predictive Ability of Artificial Neural Network and Autoregressive Integrated Moving Average using COVID-19 cases in Nigeria. International Journal of Infectious Diseases Link

Teaching Experience

Graduate Teaching Assistant
Georgia State University — Atlanta, GA

- Scored and reviewed Pre-Calculus, Algebra, and Elementary Statistics assignments for over 90 students.
- Delivered one-on-one and group online tutoring; monitored attendance and performance
- Maintained structured records and provided detailed academic feedback.

Undergraduate Teaching Assistant
Federal University of Technology — Nigeria

- Taught STAT 201 & STAT 202 on linear algebra to over 40 students and excelled in their examination
- Assisted & Proctored Examination
- Facilitated a 4-day statistical training to over 70 students.
- Tutored STA 501 & STA 502 Courses titled 'Advanced Stochastic processes' to over 30 final semester students.

Undergraduate Teaching Assistant
Federal University of Technology — Nigeria

- Taught STAT 201 & STAT 202 on linear algebra to over 40 students and excelled in their examination
- Assisted & Proctored Examination
- Facilitated a 4-day statistical training to over 70 students.
- Tutored STA 501 & STA 502 Courses titled 'Advanced Stochastic processes' to over 30 final semester students.

Published Work

- **Hakeem Adekunle**, Yichuan Zhao. Bayesian Jackknife Empirical Likelihood inference-based for missing data and measurement error. **Scholarly Article**.
- **Adekunle, H. T**. & Fasoranbaku, A. (2021). Predictive Ability of Artificial Neural Network and Autoregressive Integrated Moving Average using COVID-19 cases in Nigeria. International Journal of Infectious Diseases. Link
- Hakeem Adekunle, Olalekan Balogun. Tryptophan and HTP supplementation in the treatment of cognitive and mood disorders: A systematic review and meta-analysis, 08 September 2024, PREPRINT (Version 1) available at Research Square Link
- Gasmi, Amin, Boukelia, Boukhemis, Bjorklund, Geir, Elkhidir, Ibrahim, Semenova, Yuliya, Dosa, Alexandru, Piscopo, Salva, **Adekunle Hakeem**, Noor, Sadaf & Costea, Daniel. (2022). Physical activity and obesity spectrum disorders in post-bariatric surgery patients: A systematic review and Meta-analysis. Critical Reviews in Food Science and Nutrition. Accepted. Link

Posters & Presentation

- Tryptophan and HTP supplementation in the treatment of cognitive and mood disorders: A systematic review and meta-analysis **Accepted at the 3rd Annual Graduate Conference for Research, Scholarship, and Creative Activity, Georgia State University**
- Bayesian Jackknife Empirical Likelihood inference-based for missing data and measurement error. **Accepted at the Georgia 11th Bistatistics and Biomedical Conference**
- Bayesian Jackknife Empirical Likelihood inference-based for missing data and measurement error. **Accepted at the Society for Industrial and Applied Mathematics (SIAM) 1st Annual Conference**
- Epidemic Intelligence Service (EIS) Annual Conference **Attendee**
- Innovate and Elevate: Health Equity at UCB - Value Case Game. **Presentation**
- Georgia State University Undergraduate Research Conference (GSURC 2025) **Judge**

Awards

- First Place Winner at the UCB-Innovate and Elevate: Health Equity, Value Case Game at Atlanta, 2025
- Georgia State University Graduate Student Scholarship, Department of Mathematics and Statistics (2 years - $90,000)
- Pan African University Awards (Free MSc Program, Flight ticket, and $565 Monthly Stipend)
- African Institution of Mathematical Sciences (AIMs) awards (Free MSc Program, $100 monthly stipend)
- Undergraduate Dean's List Awards for 4 consecutive years.

Service

- *Reviewer for:* Asian Journal of Probability and Statistics [Certificate of Excellence in Reviewing, 2023 & 2024]
- *Reviewer for:* Journal of Bionature [Presented; Certificate of Excellence in Reviewing]

- *Reviewer for:* Journal of Advances in Medicine and Medical Research [Presented: Certificate of Excellence in Reviewing]
- Georgia State University Undergraduate Research Conference (Presented: Certificate of Judge)

Association & Society

- Member of American Statistical Association (ASA)
- Member of American Mathematical Society (AMA)
- Georgia State Zeta Chapter of Pi Mu Epsilon
- Laboratory Interdisciplinary Statistical Association (LISA)

Skills

- Data Analysis: SPSS, R, STATA, SAS, MATLAB
- Machine Learning: Python, R
- Typing: Latex, Overleaf, Ms Word.
- Language: English