
Kabiru Abubakari

School of Mathematical Sciences
Queen Mary University of London (QMUL)
327 Mile End Rd, London, E1 4NS, UK

Email: k.abubakari@qmul.ac.uk
Website: kb-chalpang.github.io/kabi/

Education

- 2023 – 2026 **Ph.D. Candidate in Mathematical Sciences**, QMUL (Expected)
Primary supervisor: Professor Silvia Liverani
Secondary supervisors: Professor Andrew R. Leitch and Dr. Ilia J. Leitch
- 2021 – 2023 **MSc (M1) Data Analysis**, University of Burgundy
Dijon, France
- 2016 – 2020 **B.A. Economics**, University for Development Studies
Tamale, Ghana

Employment

- 03 – 06 2026 **Postdoctoral Research Assistant** (Part-time)
School of Mathematical Sciences, QMUL
Working on Dynamic Bayesian Causal Models with applications to adversarial settings.
- 2025 **Consultant**, Statistics and Data Science Clinic
School of Mathematical Sciences, QMUL
- 2024 – 2026 **Graduate Teaching Assistant**
School of Mathematical Sciences, QMUL
- 2024 – 2025 **LMS Levelling-up Mathematics Tutor**
London Mathematical Society (LMS)
Taught A-level mathematics to encourage students to pursue STEM in higher education.
- 2023 – 2024 **Graduate Teaching Assistant**
King's College London (KCL)
- 04 – 06 2022 **Research Assistant**, ECONRES
Autonomous University of Madrid (UAM), Madrid, Spain
Worked on structural equation models (SEMs).
- 2020 – 2021 **Teaching and Administrative Assistant**
University for Development Studies, Tamale, Ghana
Completed one-year national service.

Grants & Awards

- 2023 – 2026 **Queen Mary Principal's Award**
Queen Mary University of London
Full tuition fees plus monthly stipend for 3.5 years.
- 2026 **£1,500 Doctoral College Postgraduate Research Award**
Queen Mary University of London
Grant to support research travel and attending conferences.
- 2026 **\$500 Junior Research Award**
International Society of Bayesian Analysis (ISBA)
Awarded to early-career researchers presenting at the 2026 ISBA World Meeting, Nagoya, Japan.
- 2022 – 2023 **£8,000 ISITE-BFC International Master's Scholarship**
University of Burgundy
Awarded for the MSc DASEE
- 2022 **£610 Dynastage Student Grant**
The Higher Education and International Mobility Service
Regional Council of Bourgogne-Franche-Comté

Awarded to support student mobility within the MSc DASEE programme (Grant No. 2022-DE-02378).

2022 **€956 Erasmus+ Internship Mobility Scholarship**

University of Burgundy

Awarded for a research internship in Spain, second semester 2021–2022, within MSc DASEE.

2021 – 2022 **€8,000 ISITE-BFC International Master's Scholarship**

University of Burgundy

Awarded for the MSc DASEE

Publications & Manuscripts

Abubakari, K., Matechou, E., Henniges, M.C., Leitch, I.J., Leitch, A.R., & Liverani, S. (2026). False Positives, False Negatives, and the Detection-Only Problem: A Hierarchical Model for Species Occurrence with Observation Error. *arXiv. preprint arXiv:2606.26323*

Henniges, M.C., **Abubakari, K.**, Liverani, S., Antonelli, A., Leitch, I.J., & Leitch, A.R. (2026). Plant genome sizes, functional traits and Ellenberg values indicate that nitrogen deposition is a driver of changing species area trends across Britain over 30 years. *Submitted to the Journal of Ecology.*

Abubakari, K., & Liverani, S. (2026). Data generation for the logistic regression model with target prevalence and target predictive performance. *In preparation.*

Dary, S.K., Yendaw, E., **Abubakari, K.** et al. (2025). Determinants of Gender Preferences for Candidates Standing in Representative Democratic Elections in Ghana. *Journal of Economics, Race, and Policy.*

Issahaku, H., **Abubakari, K.**, & Basit, D.A. (2023). Patterns and causal connections between changes in exchange rates and interest rates in Ghana. *Ghana Journal of Development Studies*, 20(1), 1–19.

Public Engagement & Outreach

Abubakari, K., Al-Mahdawy, Z., Alsulami, H., Garetto, C., Lucero-Azuara, N., Marajh, J., ... & Sansom, R. (2024). Historical contributions of different cultures to mathematics. *Available online.*

2023 **QMUL Festival of Communities**

Queen Mary University of London, London, UK

Participated in the annual community engagement festival, promoting mathematics to the wider public.

Teaching

Probability and Statistics

Teaching assistant for first-year undergraduates, QMUL.

Statistical Modelling I (Classical/Frequentist Statistics)

Teaching assistant for first-year undergraduates, QMUL.

Statistical Modelling II (Classical/Frequentist Statistics)

Teaching assistant for third-year undergraduates, QMUL.

Bayesian Statistical Methods

Teaching assistant for third-year undergraduates, QMUL.

Time Series Analysis

Teaching assistant for third-year undergraduates, QMUL.

Computational Statistics

Teaching assistant for MSc students, QMUL.

Biostatistics (QMUL–Nanchang Joint Workshop)

Teaching students in the joint Biomedical Sciences / Clinical Biomedicine degree offered by QMUL and Nanchang University, China.

Skills

Software: R (primary), Python, Stata
Version Control: GitHub
Languages: English (fluent), French (beginner)

Conferences

2026 **International Society of Bayesian Analysis (ISBA) Conference**
Nagoya, Japan
Poster presentation

2025 **Joint Statistical Meetings**
Nashville, Tennessee, USA
Poster presentation

2025 **Spatial Statistics: At the Dawn of AI**
Noordwijk, Netherlands
Poster presentation

2025 **Environmental and Ecological Statistics Conference**
Lancaster, England, UK
Talk

2024 **Royal Statistical Society Annual Conference**
Brighton, England, UK
Poster presentation

2023 **Research Students Conference**
Sheffield, England, UK
Talk

Referees

Professor Silvia Liverani
Queen Mary University of London, England, UK
s.liverani@qmul.ac.uk

Professor Andrew R. Leitch
Queen Mary University of London, England, UK
a.r.leitch@qmul.ac.uk

Dr. Ilia J. Leitch
Royal Botanic Gardens (Kew), England, UK
i.leitch@kew.org

Professor Coro Chasco
Autonomous University of Madrid, Spain
coro.chasco@uam.es