

Biography

I am a Senior Lecturer in Medical Statistics and Psychometrics at Aston Medical School, where I lead the quantitative quality assurance of both formative and summative assessments, including Applied Knowledge Tests (AKTs) and Objective Structured Clinical Examinations (OSCEs). In addition to this role, I lead and support staff and student training initiatives focused on assessment and feedback, aimed at enhancing assessment quality, improving assessment literacy, and promoting effective use of feedback to support learning. My research centers on the application of both classical and emerging statistical methodologies, with a particular focus on the development of assessment scores and the evaluation of diagnostic testing in medical contexts. These academic and research responsibilities position me at the intersection of medical education, statistics, psychometrics, and global health research, with active collaborations across institutions in the UK and Kenya.

Qualifications

Master's in education in Learning and Teaching in Higher Education (M.Ed), Ongoing
Postgraduate Diploma in Teaching & Learning in Higher Education (PGDip), 2022
Postgraduate Certificate in Teaching & Learning in Higher Education (PGCTHE), 2020
PhD, Applied Social Statistics, Lancaster University, 2017
Master of Science Biostatistics, Hasselt University, 2008
Master of Science Applied Statistics, Hasselt University, 2006
Bachelor of Science Statistics, Nairobi University, 2004
Diploma in Business Computing, Strathmore University, 1999

Employment

2023 – To Date: Adjunct Senior Lecturer Department of Maths & Statistics, Nairobi University
2023 – To Date: Senior Lecturer Medical Statistics & Psychometrics, Aston University
2018 – 2020: Lecturer Medical Statistics & Psychometrics, Edgehill University
2016 – 2018: Medical Statistician, Lancashire Clinical Trials Unit (LCTU), University Of Central Lancashire
2011 – 2016: Research Associate, Maths and Statistics Department, Lancaster University
2012 – 2013: Kluge Research Fellow, Library Of Congress
2010 – 2011: Medical Statistician, Centre For Statistics In Medicine (CSM), Oxford University
2008 – 2009: Medical Statistician, Liverpool School Of Tropical Medicine (LSTM)
2004 – 2005: Medical Statistician, Kenyatta National Hospital and the Aga Khan University

Teaching Activity

Joint module lead for “Research Methods Module” responsible for content development i.e., learning materials and handbooks used by various students and staff requiring quantitative research methods.

Teach various advanced statistical methods at the University of Nairobi.

Master's and PhD Supervision

I supervise a diverse cohort of postgraduate students researching health-related topics.