



QUALIFICATIONS

MSc and PhD in Statistics



STEAM-3D

Sustainable Training in Epidemiological Analysis and Modelling
for Data-Driven Decision Making in Africa

SOUTH AFRICA | MALAWI | MOZAMBIQUE | CAMEROON | BELGIUM

Dr Yankam Mbouamba Brenda

Data Manager / Postdoctoral Fellow, DGH

Co-Principal Investigator
Country lead (Cameroon)

BIOSKETCH

Dr Yankam Mbouamba Brenda is a statistician and epidemiologist with a PhD in Statistics and an MSc in Epidemiology and Control of Infectious Diseases. She currently holds an Alexander von Humboldt Foundation Postdoctoral Fellowship at Ruhr-Universität Bochum, Germany, where she develops advanced statistical methodologies for robust experimental design. Concurrently, she serves as Data Manager on the Data Science Without Borders (DSWB) project at Douala General Hospital, Cameroon, leading the harmonisation of clinical data into the OMOP Common Data Model to support AI-driven patient management and care quality improvement.

She brings extensive experience in infectious disease surveillance, data quality assurance, knowledge management, and multi-country research coordination across sub-Saharan Africa, with prior work spanning HIV and hepatitis B prevention studies, malaria operational research, and neglected tropical disease mapping.

She has authored over 20 peer-reviewed publications in international journals and presented her work at major international conferences including the International Biometric Conference and the International Society for Clinical Biostatistics.

She is passionate about using high-quality data and innovative statistical methods to strengthen health systems and advance evidence-based decision-making.