



AIMS

African Institute for
Mathematical Sciences
RESEARCH & INNOVATION

District Gasabo, Sector Kacyiru,
Cellule Kamatamu Rue KG590 ST
Kigali, Rwanda

Job Description

Job Title: Research Assistant

Project Name: UK-ONS/AIMS Project on Standards for Official Statistics on Climate-Health Interactions

AIMS Centre: AIMS Research and Innovation Centre (AIMS RIC), Kigali – Rwanda

Report to: PI for AIMS - ONS Project at AIMS RIC

Duration: 1 Year (Fixed Contract)

About AIMS:

The African Institute for Mathematical Sciences (AIMS) is a pan-African network of centres of excellence for postgraduate training in mathematical sciences, research, and public engagement in STEM. Its mission is to enable Africa's brightest students to flourish as independent thinkers, problem solvers, and innovators capable of propelling Africa's future scientific, educational, and economic self-sufficiency.

The AIMS Research and Innovation Centre (AIMS RIC) is a research-oriented centre, facilitating high quality research that addresses African development challenges by engaging in relevant multi-disciplinary research and through creation of a world-class environment, which fosters innovation and creativity.

If you bring a collaborative spirit with a passion for effecting change, consider this opportunity as a Research Assistant.

About the project:

The project focuses on developing a comprehensive statistical analysis framework and unified standards for reporting climate change impacts on health in Rwanda. The project emphasizes multidisciplinary collaboration, active knowledge sharing, and the development of contextually relevant and scientifically rigorous indicators. Key health topics under investigation include injury and mortality from extreme weather events, water-borne diseases, zoonoses, air pollution and respiratory illness, and non-communicable diseases.

Position Overview:

The Research Assistant will support the project team to develop and implement statistical analysis models and frameworks for waterborne diseases and water-related illness with an aim to estimate the number of diarrhea mortality due to non-optimal precipitation. This role involves collaboration with multidisciplinary teams, contributing to the creation of indicators and methodologies, and assisting in analyzing climate change impacts on health. The position offers a unique opportunity to contribute to important research that will inform policy and practice in Rwanda and potentially beyond.



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Key Responsibilities:

- Support AIMS researchers in developing statistical analysis frameworks and models for assessing the interactions between climate and waterborne diseases and water-related illness.
- Assist in the creation and validation of indicators for climate-related health impacts.
- Support in collecting, analyzing, and interpreting climate change and health data.
- Help maintain comprehensive project documentation, including methodologies, code, and data sources, to ensure transparency and replicability.
- Support knowledge sharing and active participation in project discussions.
- Assist in preparing high-quality reports and research papers for publication in peer-reviewed journals.

Qualifications:

- A master's degree in Statistics, Data Science, Mathematical Sciences, or a related field.
- Demonstrated interest and/or experience in climate change, public health, or statistical analysis.
- Proficiency in statistical programming languages (e.g., R, Python) and data visualization tools.
- Strong analytical skills and attention to detail.
- Excellent written and verbal communication skills, with the ability to engage effectively with technical and non-technical audiences.
- Ability to work collaboratively in a multidisciplinary team environment.
- A Ph.D. or previous research experience and publication record are assets but not required.

Application Process:

To apply, please submit your CV, a cover letter detailing your relevant experience and interest in the position, and contact information for at least two academic references to applications@aimsric.org (i.e. quote "Research Assistant ONS" in the subject line) Applications will be accepted until March 26, 2024.

Should no feedback be received from AIMS RIC within **four (4) weeks** of the deadline, kindly accept that your application will not be further pursued. AIMS RIC reserves the right not to make an appointment at its sole discretion. AIMS RIC is an equal opportunity employer.