

VACANCY

Job title:	Statistician
Type:	Permanent <input checked="" type="checkbox"/> Fixed Term <input type="checkbox"/> Temporary <input type="checkbox"/>
Main purpose of the job:	To lead analysis of climate and health data, ensure accuracy in study designs and assist with interpreting results for manuscripts, presentations, etc, to support evidence-based decision-making. These climate and health projects include leading research groups across Africa, and universities in the EU and UK. These projects, among the largest climate change and health projects in Africa, will provide the evidence needed to mount a response to climate change in Africa. We document the health effects of climate change on pregnant women and children across Africa, and the effectiveness of interventions to reduce these impacts and are currently expanding our scope of work.
Location:	Parktown, Johannesburg.
Closing date:	08 November 2024
Submit detailed CV to:	Vacancy8@wrhi.ac.za
Advert reference number:	PM002-2024
In accordance with our Employment Equity goals and plan, preference will be given to suitable applicants from designated groups as defined in the Employment Equity Act 55 of 1998 and subsequent amendments thereto.	

Key performance areas

Write data analysis plans for grant proposals and study protocols.

Oversee data management staff.

Provide support for the project team in planning, implementation and monitoring of project activities, including tracking tools.

In conjunction with the Scientific Lead and project team, oversee the preparation of data for analysis of health outcomes, and environmental exposures across Africa.

Write progress reports of data analysis for stakeholders including networks and funders.

Participate in data science analyses with other partners and external stakeholders.

Assist with coordinating inputs of partners on data analysis plans in grant applications.

Stay abreast with relevant data analysis advances and collaborate closely with other investigators on related studies.

Publish scientific publications.

Compile conference presentations.

Supervise PhD students, where relevant

Generate ideas for data analyses and novel approaches to investigating the data.

Offer thought leadership on policy implications and future research needs based on emergent research findings.

Participate in discussions regarding the future direction of the research within Climate Change and Health at Wits RHI.

Provide thought leadership on how to best structure research activities in the team and amongst partners.

Supervise and manage the data and statistical analysis team to ensure optimal employee engagement.

Identify, supervise and provide clear direction to consultants supporting the analysis activities.

Perform and facilitate coaching sessions with the team to develop their skills in statistical analysis.

Coach and train team members to ensure the acquisition of knowledge and skills required by the organisation.

Promote harmony, teamwork and sharing of information.

Take ownership and accountability for tasks and demonstrate effective self-management.

Develop additional Data Science Skills required to undertake analyses.

Develop further project management skills to coordinate statistical analysis in a team.

Maintain an open attitude and respond constructively to feedback.

Maintain and update knowledge of developments in field and expertise activities.

Required minimum education and training.

Minimum PhD in biostatistics or data science

Required minimum work experience.

Minimum 10 years' experience with statistical analysis.

Highly experienced in implementing independent data analysis projects and running them to completion.

Experience leading teams of junior to mid-level statisticians.

Experienced working in an environment that involves the application of public health principles.

Desirable additional education, work experience and personal abilities

Good writing and data visualization skills.

Experience in time series analysis advantageous.

Ability and experience working in multi-disciplinary teams.

Strong STATA, R or Python programming skills.

Experience with coordination of data management teams.

Experience in managing sensitive data (e.g. according to the POPI act).

Previous experience in statistical analysis of large health projects would be of added value.

Experience working with large and complex datasets (e.g., remote sensing, health data, climate model data)

Able to work under pressure and adhere to deadlines.

Demands of the job

National and international travel and overtime/weekends may be required from time to time.

Self-directed management and management of a team of statisticians or data scientists.

Should you be interested in applying for this vacancy, please send an email to vacancy8@wrhi.ac.za. The subject heading of the email must read **PM002-2024** and the job title on position applying for. Please include the following documentation:

- A cover letter (maximum one page) that clearly states which vacancy you are applying for
- A detailed CV