UNIVERSITY OF NAIROBI

EXTERNAL JOB VACANCIES (PROJECT POSITION)

Applications are invited for the following position:

DATA ANALYST - CENTER FOR EPIDEMIOLOGICAL MODELLING AND ANALYSIS, ADVERT REF: AD/12/84/2025, 1 POST

The Project

CEMA is a Center of Excellence at the University of Nairobi bringing together a multidisciplinary consortium of epidemiologists, infectious disease specialists, medical and veterinary health professionals and clinicians, mathematicians, sttisticians, computer scientists, software engineers, economists, and data scientists to harness data-driven approaches for controlling infectious diseases and advancing public health in Kenya and across Africa.

Established in 2020, CEMA's work has guided responses to the COVID-19 pandemic and other disease outbreaks and health crises, advanced the control and elimination of neglected tropical diseases across African countries, provided insights to optimize health programs and improve health outcomes, and provided training in quantitative skills to analyze health data and address critical public health challenges in Africa. CEMA is supported by multiple funding agencies including the Gates Foundation, Coalition for Epidemic Preparedness Innovations, the Wellcome Trust, among others.

The Position

The Center for Epidemiological Modelling and Analysis (CEMA) at the University of Nairobi is seeking to appoint a Data Analyst with strong skills and passion in data analysis, interpretation, and visualization.

Duty Station: Center for Epidemiological Modelling and Analysis, Nairobi, Kenya.

Reporting to: CEMA Co-Directors

Duties and Responsibilities

1. Collaborate in the design and implementation of data collection and management processes to support epidemiological and health-related studies
2. Extract, clean, organize, and catalogue large and complex health datasets from multiple sources, ensuring data accuracy and completeness
3. Conduct regular data quality reviews, validation, and error checking to maintain the integrity of datasets.
4. Perform advanced data wrangling and analysis using statistical and computational techniques to generate actionable insights
5. Develop and maintain dashboards and visualizations to effectively communicate trends and patterns in health data to stakeholders.
6. Support field teams and other collaborators by providing technical assistance and feedback to ensure consistent data quality and timely data submission.

7. Collaborate with multidisciplinary teams to interpret data findings and support evidence-based policy and program development.
8. Mentor and guide undergraduate students and recent graduates undertaking internships in CEMA to support their development in data analysis and visualization.

Job Specification

1. Bachelor's degree in any of the following fields; Statistics, Data Science, Computer Science, Economics, Mathematics or a related quantitative field.
2. Master's degree in any of the following fields; Statistical Science, Data Science, Statistics, or a related quantitative field
3. At least 3 years of progressive experience in data analysis, data quality review, and data visualization.
4. Experience collaborating with multidisciplinary teams.
5. Demonstrated experience working with complex health datasets, with a strong focus on data cleaning, validation, and quality control.
6. Proficiency in statistical analysis, data mining, and exploratory data analysis techniques.
7. Strong skills in developing and maintaining dashboards and reports (please provide links to examples or portfolios).
8. Excellent computer skills and proficiency in statistical and programming software such as R, Python, SQL, or similar.
9. Strong communication skills (both written and verbal) and interpersonal skills.
10. Ability to manage multiple tasks and meet deadlines in a collaborative work environment.

Terms of Appointment

The appointment will be on a one (1) year contract, renewable subject to performance and availability of funds. The successful candidate will enjoy a competitive salary based on their qualifications and experience. In addition to a fulfilling and challenging role, they will receive a comprehensive benefits package, including health insurance, leave allowance, and opportunities for professional development.

NOTES:

1. Applicants should email their application letters, certified copies of certificates and curriculum vitae (CV) giving details of their qualifications, experience and three (3) referees, as well as indicating their Github accounts which showcase their projects, telephone and e-mail contacts.
2. Applications and related documents should addressed to the Director, Human Resource, University of Nairobi.
3. Applicants should state their current designations, salaries and other benefits attached to those designations.
4. The application letter must bear the reference code indicated in the advertisement.
5. Late applications will not be considered.
6. Applications should be emailed as one file in PDF to: recruit-dacfemaa@uonbi.ac.ke

CLOSING DATE: FRIDAY, DECEMBER 19, 2025

**THE UNIVERSITY OF NAIROBI IS AN EQUAL OPPORTUNITY EMPLOYER
ONLY SHORTLISTED APPLICANTS WILL BE CONTACTED**