



## UNIVERSITY OF NAIROBI EXTERNAL JOB VACANCIES (PROJECT POSITION)

Applications are invited for the following position:

### **DATA SCIENCE RESEARCH ASSISTANT - CENTER FOR EPIDEMIOLOGICAL MODELLING AND ANALYSIS – AD/4/82/2024, 2 POSTS**

#### **The Position Description**

The Center for Epidemiological Modelling and Analysis (CEMA) at the University of Nairobi is looking to appoint **Data Science Research Assistants** with passion and skills in data analysis and visualization.

#### **About CEMA**

The Center for Epidemiological Modelling and Analysis (CEMA) is a Center of Excellence at the University of Nairobi committed to using data-driven approaches to guide the control of infectious diseases and improve public health in Kenya and the African continent.

Established in 2020, CEMA has played a critical role in the use of applied epidemiological modelling and analytics including on COVID-19 (to guide responses to the pandemic in Kenya and the continent); Neglected Tropical Diseases (to catalyse their control and elimination); delivery of essential health services (to guide their maintenance during health emergencies); and in training in quantitative skills needed to manage and analyze health data to address priority public health questions in the region. CEMA receives support from the Bill and Melinda Gates Foundation.

#### **Location:**

This is a full time position based at the University of Nairobi Institute of Tropical and Infectious Diseases, Nairobi, Kenya. The holder of the position will report to the CEMA Co-Directors

#### **Duties and Responsibilities**

- Contribute to the design of studies, implementation and reporting of epidemiological data
- Extract, organize, store and catalogue large health datasets from multiple sources
- Conduct data wrangling processes on large and complex health and health-related datasets
- Develop dashboards to visualize trends in health data
- Implement applied epidemiological modelling techniques (statistical, geospatial) to help provide insights in disease transmission and interventions to control and eliminate diseases
- Mentor undergraduate students and recent graduates taking internships at CEMA

#### **Job Specifications**

- Bachelor's degree in Statistics, Geographical Information Systems, Economics, or Actuarial Science
- Demonstrated experience developing high quality dashboards in R (provide links to deployed apps)

- Demonstrated experience working with health and health related data (provide links to GitHub accounts showing completed projects)
- Demonstrated possession of quantitative skills (statistical analysis and/or modelling)
- Experience working within academic settings and linked to addressing policy-relevant analytical questions
- Excellent computer skills and familiarity with R statistical software
- Excellent communication (written and spoken) and interpersonal skills

### **Tenure and Terms of Appointment**

The tenure of this job is one (1) year; appointment is on contract which can renewed based on performance, mutual agreement and the project period.

### **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-dsracema@uonbi.ac.ke](mailto:recruit-dsracema@uonbi.ac.ke)

**CLOSING DATE: 23, APRIL, 2024**

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