



UNIVERSITY OF NAIROBI EXTERNAL JOB VACANCIES (PROJECT POSITION)

Applications are invited for the following position:

DATA SCIENTIST, KENYA DATA FOR HEALTH PROJECT, DEPARTMENT OF CLINICAL MEDICINE AD/8/75/20 (1 POST) (CHS)

The project

The Kenya Data for Health project is under the Center for Epidemiological and Modelling Analysis (CEMA) hosted at the University of Nairobi

The position

Reporting to the Principal Investigator, the Data Scientist will be responsible for qualitative data analysis, data solution development and implementation of data solutions for the project.

Job description

- Ensuring high data quality, integrity, confidentiality and safe custody
- Thoroughly clean data to discard irrelevant information and prepare the data for preprocessing and modelling
- Extracting huge volumes of structured and unstructured data, and querying structured data from DHIS databases using programming languages
- Gathering unstructured data through web scraping and surveys
- Performing exploratory data analysis (EDA) to determine how to handle missing data and to look for trends and/or opportunities
- Transforming raw data into tangible data to support analysis and development of data solutions
- Support data analysis for various programs run by the center
- Supporting the development of custom data models and algorithms to apply to data sets
- Supporting the design, implementation and evaluation of advanced statistical models and approaches for application in the project
- Coordinating with different functional teams to implement models and monitor outcomes
- Performing ad-hoc data mining and exploratory statistics tasks on very large data-sets related to the project

- Providing daily updates around the project data outcomes and develop SIR models that are in line with this
- Preparing reports on progress of development tasks
- Be available for meetings throughout the project's data analysis process, to discuss the progress of the analysis with the Principal Investigator
- Any other duties assigned by the supervisor

Qualifications

- Bachelor's degree in Statistics, Mathematics, Computer Science, Physical Sciences or Social Sciences
- Master's degree in Statistics, Mathematics or Data Analytics

Experience

- At least 2 years of working experience in analysis/informatics and working in probability and statistics
- Experience using statistical computer languages i.e. R Programming, to manipulate data and draw insights from large data sets

Required skills, knowledge and abilities

- Ability to work with cloud data platforms
- Ability to analyze unstructured data
- Must have a strong understanding of data-mining techniques
- Strong problem solving skills
- Excellent written and verbal communication skills
- Keen attention to detail
- Ability to work effectively in a group/collaborative setting - within a team

NOTES

1. Applicants should submit seven (7) of their application letters accompanied by similar number of certified copies of certificates and CV giving details of their qualifications and experience.
2. Applications and related documents should be forwarded through the applicants' heads of departments. In addition, applicants should state their current designations and salaries and other benefits attached to those designations. They should quote post reference codes as shown for each posts in the advertisement.
3. Applications should be addressed as per the code below:-
CHS The Principal, College of Health Sciences, Box 30197-00100, Nairobi.

CLOSING DATE: FRIDAY, SEPTEMBER 11, 2020.

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