

WILLY OSUBENTO

BIostatistician | Statistician | Data Analyst

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<https://github.com/willyosubento>

JOB SUMMARY

Motivated and detail-oriented Biostatistician with strong academic foundation and 1-year hands on experience in preparing, analyzing and interpreting complex datasets. Proficient in R, Python, STATA, SAS, SPSS, Power Bi and Excel with expertise in data wrangling, visualization and statistical modelling. Adept at leveraging data-driven insights to guide strategic decisions and optimize processes. Recognized for strong problem-solving skills, meticulous attention to detail, and the ability to collaborate effectively in team environments. Passionate about using data analytics to drive business success and committed to continuous learning in the evolving field of data science.

WORK EXPERIENCE

Kenyatta National Hospital

May-August 2023

Data Analyst Intern

- Analyzed large datasets to support the Department of Medical Research and programs, contributing to improved decision-making and enhanced departmental performance.
- Provided support to Data Manager, directly impacting the efficiency and accuracy of data processes within the department.
- Collaborated with the research assistants to collect patient data using Red-Cap, improving data collection timelines and ensuring timely delivery for analysis.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology

Sep 2020-April 2024

Bachelor of Science in Biostatistics

Award: First Class Honors

Kenyatta High School - Mwatate

Feb 2016-Nov 2019

SKILLS

- Proficiency in Mobile data collection Tools like Redcap, Google forms, ODK
- Advanced Proficiency in R, Python, STATA, SPSS.
- Proficiency in Data Visualization tools like Power Bi and Excel.
- Analytical and problem-solving skills
- Storytelling with data
- Project Management

PROJECTS

1. Spatial Modelling and Mapping of Diabetes Prevalence in Kenya.
 - Utilized GLMMS to conduct spatial analysis of diabetes prevalence, incorporating both regional and individual level predictors.
 - I identified critical disparities to guide resource allocation and targeted interventions.
2. HPV Risk prediction using Machine learning
 - Developed ML model to predict the risk of developing HPV.
 - Used Algorithms like decision trees, random forests, neural networks to identify individual at higher risk of developing HPV.
3. Neural network to classify images of crop Disease in Uganda (Not completed).