Rophence Ojiambo

Box G-S121-3| 121 S Main St, Providence, RI 02903| **rophenceojiambo.github.io** | E-Mail: rophence_ojiambo@brown.edu

EDUCATION

Brown University, *Master of Science in Biostatistics* Providence, RI | **Expected Graduation May 2023**
Advised by Jon A. Steingrimsson, **PhD**

Kenya Accountants and Secretaries National Examinations Board (KASNEB), *Certified Investment and Financial Analyst (CIFA)* ***Nairobi, Kenya | Expected Completion May 2024***

Moi University, *Bachelor of Science in Applied Statistics with Computing* Eldoret, Kenya | Class of 2020

Starehe Girls' Centre and School, *High School* Kiambu, Kenya | Class of 2014
Grade A- (78 points)

WORK EXPERIENCE

Pwani Oil Products Limited, *Role (Commercial Control trainee)* Kilifi, Kenya | March 2021 – September 2021

- Holistic training in different departments of the company
- Data analysis reports using Excel, SPSS.

Albertyne Limited Company, *Role (Call center agent)* Westlands, Kenya | October 2020 – December 2020

- Providing customer care support to clients.

ACADEMIC RESEARCH EXPERIENCE

- **Shiny App Project, Statistical Programming with R, December 2021**
  Our shiny app for COVID-19 Pooled Testing provides users with a platform to implement simulations for pooled testing strategies from patients with suspected COVID-19 disease. The number of positive and negative cases are gathered to create a population, as the user will be able to sample a random group sample of size n. In addition, the user will specify the sensitivity (true positive rate) and specificity (true negative rate) levels for any state of their choice. Based on the values the user specifies, the population will be sampled without replacement and tested for either true negative or true positive pooled results. The simulated model will return either a positive or negative result, which will determine the number of tests that need to be run.

- **Multiple Linear Regression, a Statistical Consulting Project, December 2019**
  An investigation into the Malaria prevalence among children under 15 Years in Kenya using Multiple Linear Regression Model. Carried out a comprehensive review of literature, data acquisition, data preprocessing, exploratory analysis, fit multiple linear regression model to determine temporal trends in malaria prevalence in Kenya and performed future malaria prevalence projections.

TRAININGS AND CERTIFICATIONS

- **Verified Certificate for Data Science: Productivity Tools,** *: HarvardX*
- **Responsible Conduct of Research**, *Citi Program, under requirements set by Brown University*

SKILLS & INTERESTS

Technical Skills: Proficient in Microsoft Office tools (Word, Excel, PowerPoint), Statistical Programming with R, Statistical Package for Social Sciences (SPSS), Stata, Academic writing.
Language: Proficient in English and Kiswahili
Interests: Zip lining, hiking, swimming.