

Reinpeter Ondeyo

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WORK EXPERIENCE

African Population and Health Research Center

Nairobi, Kenya

Data Scientist

March 2023 - Present

- Identify data sources for research needs, compile, collect, very relevant structured and unstructured data for analysis.
- Data cleaning and consistency checks for project data.
- Extract data and prepare analytical files.
- Perform basic and advanced statistical analysis of data.
- Building Machine Learning and predictive models, ML algorithms i.e k-Nearest Neighbors, Bagging, Boosting, Decision trees, Random Forests to address data-driven research questions.
- Support harmonization and standardization of data sets in databases including development of Extraction, Transformation and Loading (ETLs) using database query languages like SQL.
- Analyze data using R/STATA statistical programming language to identify trends and patterns, and generate insights.
- Prepare and support scientific publications.
- Create visualizations and dashboards from research generated data on micro portal using R shiny, ggplot and plotly.
- Contribute to report and manuscript/scientific writing.

Africa Mental Health Research and Training Foundation

Nairobi, Kenya

Biostatistician

August 2021 - December 2022

- Conduct statistical analysis and interpretation of quantitative data for projects using SPSS, STATA and R.
- Visualize data for reports, presentations, and manuscripts with ggplot/plotly or relevant tools.
- Analyze clinical trials and longitudinal data, summarize and interpret results using advanced statistical models, such as generalized linear models and linear mixed models.
- Process data analysis outputs and perform interim and final analysis, based on corresponding author/investigator instructions for publication in journals or reports or presentations in workshops or conferences.
- Calculation of sample size for proposed studies.
- Write detailed analysis plans and descriptions of analyses and findings for research protocols and manuscripts.
- Conduct data quality checks and come up with ways of solving any issues as they arise.
- Assign work and provide guidance related to data entry.
- Participate in the designing of data collection tools, templates and questionnaires.
- In consultation with Research supervisor, work within projected timelines to ensure analysis objectives of assigned projects are met.

Ministry of Health - National Public Health Laboratory Services

Nairobi, Kenya

Data scientist consultant

July 2020 - July 2021

- Analyzing data for COVID-19 and HIV Viral Load.
- Filter and clean large data sets.
- Creating R shiny apps, data visualizations and spatial mapping.
- Analyze data, create reports and interpret results using statistical techniques i.e logistic regression, descriptive statistics.

Phillips Pharmaceuticals Limited

Nairobi, Kenya

Commercial Assistant

January 2019 - October 2020

- Manage and monitor bid preparation process to ensure compliance to mandatory documents and timely submissions.
- Provides support to contracts, ensuring compliance to contracting procedures.
- Review win/loss and manage feedback by compiling analysis reports on tender performance.
- Computing of competitive tender pricing structures based on proposed prices by manufacturer.
- Assist management to implement market pricing structure for company products as per internally agreed margins.
- Costing and Transfer Pricing responsibility for intercompany transfers.
- Perform SAP price maintenance entry, discounts and tender contract prices.
- Compiling monthly and yearly SAP product Batch expiry list reports to track short expiry products.

- Perform SAP product Master data maintenance entry and Batch & quantity adjustment.

Phillips Healthcare Technologies Limited

Nairobi, Kenya

Commercial Assistant

August 2012 - December 2018

- Manage and monitor bid preparation process to ensure compliance to mandatory documents and timely submissions.
- Provides support to contracts, ensuring compliance to contracting procedures.
- Prepare historical sales reports detailing past performance to support 18 months demand planning and forecasting.
- Advise senior management and sales teams on monthly sales reports to track sales targets acquired.
- Provide accurate sales analysis reports, tables and graphs for senior management of various principals.
- Assist customer care team to resolve price queries in SAP and ensure all orders are invoiced with correct prices.
- Assist in monthly supply planning by carrying out stock analysis and generating orders with suppliers in SAP.
- Preparing SAP quotations to customers.
- Raising LPO's in SAP for goods as requisitioned from demand planning and forecast process.

EDUCATION

University of Nairobi

Nairobi, Kenya

Master of Science in Statistics

September 2014 - December 2017

University of Nairobi

Nairobi, Kenya

Bachelor of Science in Mathematics

October 2008 - August 2012

Second Class Honours, Upper Division

Member of Mathematics Association of Nairobi University.

Kareng'ata Academy

Nairobi, Kenya

KCSE (Kenya Certificate of Secondary Education)

September 2003 - November 2006

Grade A- (minus)

Moi Educational Centre

Nairobi, Kenya

KCPE (Kenya Certificate of Primary Education)

January 1993 - November 2002

379/500; Grade A- (minus)

ADDITIONAL INFORMATION

Certifications: International Computer Driving License Certificate

Skills: Microsoft Office tools (Word, Excel, PowerPoint, Outlook), R (RStudio, tidyverse, markdown, Rshiny), SPSS, STATA, Data Analysis (descriptives, inferential statistics, statistical testing, generalized linear models, linear mixed models, machine learning models and algorithms), Data Visualization (ggplot, plotly), SAP ERP (Materials Management, Sales & distribution and Supplier Relationship Management modules).

Interests: I enjoy watching sports and learning new things.

Language: Fluency in written and spoken English and Kiswahili.

REFEREES

1. Miriam Mande - Africa Mental Health Research and Training Foundation; Senior Finance and Administration Officer; miriam.mande@amhf.or.ke; +254711975187
2. Dr. Elvis Kirui - National Public Health Laboratory Services; Medical Statistician; ekirui@nphl.go.ke; +254723522413
3. Stephen Mburu - Phillips Therapeutics Limited; Chief Executive Officer: Medical Devices; steve.mburu@phillipsafrica.com; +254722203570

PUBLICATIONS

2. [Ndetei, D.M., Mutiso, V., Momanyi, R. et al. The co-morbidity of DSM-V Gambling with DSM-V mental disorders and substance abuse in a Kenyan context of high risk schizophrenia. BMC Psychiatry 23, 239 \(2023\).](#)
1. [Momanyi, R. O., & Ottieno, J. A. M. \(2020\). Generating Distribution Functions Based on Burr Differential Equation. Journal of Advances in Mathematics and Computer Science, 35\(8\), 55-64.](#)