

DANIEL MAANGI

Data , Analytics , AI

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EXPERIENCE

Monitoring and Evaluation Advisor | Data Analytics US CENTERS FOR DISEASE CONTROL AND PREVENTION

August 2022 – Current Nairobi

- Developed dashboards using Power BI and R Shiny to enhance data-driven decision-making.
- Spearheaded development and integration of AI in service delivery workflows and disease surveillance.
- Improved data quality through tools like DatimFidelity App, ensuring routine data met global standards.

Regional Information Management Analyst Plan International

Sep 2021 – Aug 2022 Nairobi

- Aggregated and analyzed data across multiple countries to identify regional trends.
- Implemented gender marker analysis to ensure gender equality considerations in projects.

Senior Data Analyst InsupplyHealth

Feb 2021 – Aug 2021 Nairobi

- Designed real-time supply chain performance tools, deployed in Kenya, Sierra Leone and Ethiopia.
- Integrated datasets from various sources to support timely health commodity monitoring.
- Enhanced visibility of supply chain performance through real-time analytics.

Data Analyst International Planned Parenthood Federation

Apr 2019 – Jan 2021 Nairobi

- Conducted data quality improvements for Payment by Results programs across Africa and Asia.
- Developed interactive dashboards to visualize trends for stakeholders.

Assistant Data Manager Elizabeth Glaser Pediatric AIDS Foundation

Sep 2015 – Mar 2019 Nairobi

- Maintained robust DHIS2 databases for tracking HIV prevention and treatment data including visualization using Power BI.
- Conducted audits to improve data reliability and ensure compliance with standards.

SUMMARY

I am an experienced Data Scientist specializing in data visualization, statistical modeling, and machine learning. Proficient in developing innovative end-to-end solutions, improving data quality, and empowering teams with analytics best practices. Proven ability in delivering high-impact projects and enhancing operational and programmatic efficiency.

MY LIFE PHILOSOPHY

“The Purpose of Learning is Action.”

MOST PROUD OF

Bio-behavioral Survey Visualization:
Developed an application for visualizing data and generating high quality and reproducible reports for the 2024 Bio-behavioral survey among key populations in 9 counties in Kenya.

Enhanced Supply Chain Data Visibility:
Developed a multi-country Supply Chain Indicator Tracking Tool that enhanced the quality, availability and usability of complex supply chain data for decision-making.

TECH STACK

Excel Power BI

R Python

AWS AZURE Databricks DHIS2
Git Github Windows Linux

LANGUAGES

Swahili

English

French

PROJECTS

Project HIFADHI dashboard

Funding agency/institution

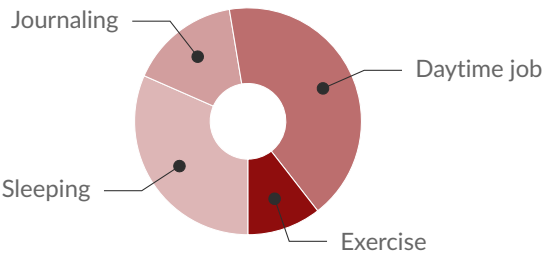
- Interruption in Treatment (IIT) is a serious threat to virologic non-suppression, morbidity and mortality. The purpose of this project was to develop IIT baseline and develop a platform to provide decision-makers with key insights and progress in IIT elimination.

Advanced HIV Disease Screening using AI

US Centers for Disease Control and Prevention

- The objective of this project was to develop an AI-powered model to identify individuals at risk of Advanced HIV Disease (AHD), leveraging predictive analytics and machine learning. The model aimed to improve early detection and intervention, AHD-specific public health response to enhance patient treatment outcomes in Kenya.

MY TYPICAL DAY



EDUCATION

M.Sc. in Statistical Science

Strathmore University

May 2020 – Oct 2022

Thesis title: Statistical learning for class imbalanced data: a case study of Malaria indicator survey data

B.Sc. in Applied Statistics

Strathmore University

Aug 2010 – Dec 2014

First Class Honors

REFEREES

Dr. Davies Kimanga

@ U.S. Agency for International Development (USAID)

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Dr. Anthony Waruru

@ United Nations Programme on HIV/AIDS (UNAIDS)

✉ WaruruA@unaids.gov