

DANIEL MAANGI

I am a data scientist with extensive expertise in data integration, analytics, and information management. I specialize in transforming complex datasets into actionable insights that drive evidence-based decisions and enhance program effectiveness. My work focuses on applying advanced statistical techniques and predictive models to address organizational challenges, particularly in health, humanitarian and development settings. By leveraging my deep understanding of data management systems and data science, I empower organizations to streamline their information systems, ensure data integrity, and harness the full potential of their data for transformative, global impact.



INDUSTRY EXPERIENCE

Current
|
2022

Monitoring and Evaluation Advisor

US Centers for Disease Control and Prevention

📍 Nairobi, Kenya

- End to end analytics utilizing data visualization tools like Power BI - Project HIFADHI and R Shiny - Recency Surveillance to create dashboards and reports that present key performance indicators (KPIs), enhancing data-driven decision-making processes.
- Promoted data quality improvements, ensuring that routine data adhered to set standards and could be trusted for evidence-based programming (eg. DatimFidelity App)
- Contributed to AI integration projects, identifying areas where machine learning could enhance the efficiency and precision of HIV service delivery

2022
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2021

Regional Information Management Analyst

Plan International

📍 Nairobi, Kenya

- Data Integration and Analysis: Aggregating and analyzing data from multiple country offices to identify regional trends and insights for program management and decision-making.
- Gender Marker Analysis: Implementing or analyzing gender markers in projects to ensure that gender equality considerations are integrated.
- Led initiatives to deploy new technology platforms for data collection and analysis, enabling more efficient data management and reporting for regional projects in health and education sectors.

2022
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2021

Senior Data Analyst

Insupply Health - John Snow Inc Affiliate

📍 Nairobi, Kenya

- Data For Decision Support: Creating advanced dashboards and visualizations to monitor supply chain performance, visualize key metrics, and provide actionable insights for stakeholders.
- Managed large datasets from various sources, including health facilities and supply chain systems, to support accurate and timely analysis
- Collaborated with internal teams, external partners, and stakeholders to ensure that data analytics supported strategic goals, including improving the visibility of supply chain performance and enhancing decision-making processes.

CONTACT

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TECH STACK

Excel

Power BI

R

Python

SQL

Cloud (Azure, AWS)

Databricks

2021
|
2019

● **Data Analyst - WISH2ACTION**

International Planned Parenthood Federation

📍 Nairobi, Kenya

- Led data quality improvement initiatives and conducted data analysis for a Payment by Results (PbR) program across five countries in Africa and Asia.
- Support the M&E team in designing and maintaining systems to monitor program activities and outcomes.
- Develop interactive and user-friendly dashboards to visualize trends and insights for project stakeholders, enabling easy access to real-time data.

2018
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2015

● **Assistant Data Manager**

Elizabeth Glaser Pediatric AIDS Foundation

📍 Nairobi, Kenya

- Supported the establishment, expansion, and maintenance of a robust project database in DHIS2, facilitating the efficient tracking of HIV prevention, care and treatment data.
- Conducted regular data quality audits to identify and resolve inconsistencies or gaps in the data, ensuring compliance with data governance standards and improving data reliability.
- Generated regular data reports and dashboards for program managers, summarizing key HIV program performance indicators such as patient adherence, retention, and treatment outcomes.



EDUCATION

2022
|
2020

2014
|
2010

- **Msc. Statistical Science**
Strathmore University 📍 Nairobi, Kenya
- **Bsc. Applied Statistics**
Maseno University 📍 Kisumu, Kenya



TRAININGS AND CERTIFICATIONS

2023

2023

2019

2019

- **Data Science on cloud**
Great Learning 📍 Online
- **Data Science and Machine Learning: Making Data-Driven Decisions**
MIT Institute for Data, Systems, and Society (IDSS) 📍 Online
- **Business Analysis: Defining Successful Projects**
Learning Tree International 📍 United Kingdom
- **Data Modelling, Functions and DAX in Power BI**
Microsoft 📍 Nairobi, Kenya



REFERENCES

- **Dr. Davies Kimanga**
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Last updated on 2024-09-16.