LINDA KARANI

Data Scientist

I am a data scientist with 4+ years of building data intensive tools, data processing, data analysis and visualization, predictive modeling and converting raw data into actionable insights through interactive and analytical dashboards. Proficient in supervised and unsupervised machine learning, advanced statistical analysis as well as scripting languages including R and Python. I also excel at creating value for stakeholders and using data analytics to convey information in a way that is clear and beneficial for end users. I am passionate about using data to identify trends and drive decision making and enjoy learning and taking up new challenges.

🎓 EDUCATION

2021
|
2023

Strathmore University
Masters of Science in Data Science and Analyics   📍 Nairobi, Kenya

Relevant units: Advanced machine learning concepts, Advanced statistical analysis, Data visualization and communication

2014
|
2018

Strathmore University
Bachelor of Business Science in Financial Economics
📍 Nairobi, Kenya

💼 PROFESSIONAL EXPERIENCE

2021
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Current

Senior associate- Data analysis and business modelling
Sanergy   📍 Nairobi, Kenya

- Was part of a team that led data management and analysis for a multinational corporation to identify areas in the citywith the greatest potential for introduction of non-sewered sanitation products to allow for future upscale
- Developed several robust quantitative and qualitative data collection tools for citywide inclusive sanitation planning to determine market share and predict an appropriate mix of sanitation products based on key indicators and metrics.
- Analyzed data collected by the Cost and Climate in Urban Sanitation (CACTUS) project led by the University of Leeds and supported by the Bill and Melinda Gates Foundation and used the findings to create a set of improved data collection tools and manuals to facilitate widespread contribution to a database of benchmark cost estimates to inform sanitation investment decisions.
- Effectively communicating analysis and project results to senior leadership and external stakeholders
- Completion of diverse advisory projects with a high standard of quality and production of comprehensive analytical reports
- Conducted data analysis for a UNICEF implemented project to inform progress towards safely managed sanitation
- Proactive stakeholder management and advisory services

CONTACT INFO

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⊙ github.com/KaraniLinda

in Linkedin

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SKILLS

Database/Server : MySQL, Postgres

Programming language : Python(NumPy, Pandas, Scikit-learn), R programming(Tidyverse) , SQL.

Data visualization/Reporting : R Markdown, Quarto, Power BI, Tableau , Google Data Studio, Excel

Git and Version Control

LANGUAGES

English : Native

French : Intermediate

2019 | 2021

Finance/Data analyst

Sanergy.   📍 Nairobi, Kenya

- Identified key organizational metrics, cleaned and analyzed data from all departments and presented results on Tableau improving accuracy of results by 35%.
- Aggregated data across all departments that was previously in multiple different sources to create an interactive organization wide dashboard based on key KPIs that led to increased efficiency in operations and improved decision making and that resulted in a 30% reduction in redundancy.
- Using data analytics to identify business needs and requirements and deliver data-driven recommendations and reports to executives and stakeholders.
- Supported teams to understand, monitor and control key business metrics to achieve success and base decisions on data.
- Prepared financial statements and other financial reports and reported performance to senior management and the finance board

2018 | 2019

Financial controlling assistant

Amadeus East Africa.   📍 Nairobi, Kenya

- Modeled and forecasted the profitability of more than 300 travel agencies using Microsoft Excel and VBA.
- Created and tracked business cases for all travel agencies on a regular basis that resulted in 40% increased efficiency.
- Updated the organizations incentives database on a regular basis.
- Preparation of the company's periodic budgets

📄 PROJECTS

2022

Importance of reproducibility in advancing Sustainable Development Goal(SDG) 6 in R : A comparison of statistical models

ETH Zurich   📍 Zurich, Switzerland