NATALY WAMBUI GAKENYE

DATA ANALYST

Contact

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LinkedIn

GitHub

Education

AkiraChix

codeHive - Diploma in Information Technology

February 2024 - November 2024

Relevant Courses

UX Research

- Design Thinking
- Research Methodologies
- Research Project Planning
- User Journeys
- User Flows
- Analysis and Synthesis
- Model Management
- Task Analysis
- Usability Testing

Data & Software Architecture

- Algorithm
- Data Types
- Data Structures
- Pseudocodes and Flowcharts
- Control Structures
- Data Procedures and Methods
- Architecture Models
- Databases
- SQL

Machine Learning

- Data cleaning
- Data Visualization
- Feature Engineering
- NLP

References

Linda Kamau
Founder & Executive Director,
AkiraChix
lkamau@akirachix.com

Rebeccah Wambui
Software Engineer,
Namiri Technologies
rebeccah.wambui@namiri.tech

Profile

The healthcare sector has showcased immense potential for data-driven innovation, enabling organizations to enhance patient care. Nataly, a passionate advocate for data-driven decision-making, is committed to collecting and analyzing extensive datasets to uncover valuable insights into user behavior, trends, and patterns. By integrating data-driven methodologies into existing innovation frameworks, she believes evidence-based decision-making and robust innovation strategies, will contribute to the development of innovative solutions that address real-world challenges and drive meaningful progress.

Skills

- Experience in planning and executing research projects from inception to completion.
- Competent in analyzing data and synthesizing findings into actionable insights.
- Experience conducting tests to evaluate the effectiveness of products or services.
- Skilled in implementing procedures for data collection, processing, and analysis.
- Ability to management database systems by manipulating, analyzing and querying data using SQL statements.
- Experience in managing timelines, resources, and stakeholders throughout research projects.
- Strong understanding of data tables and their structure for storing and managing structured data.
- Ability to clean and preprocess data using Python libraries (Pandas, NumPy) to ensure high-quality input for machine learning models.
- Familiarity with data visualization tools (Matplotlib, Seaborn) to effectively communicate insights from machine learning analysis.
- Ability to convey complex information clearly, both verbally and in writing

Projects

Deals Database

Managed and cleaned a comprehensive database of venture capital investments in African startups. Addressed data quality issues by handling missing values, correcting formatting and spelling errors, and removing blank rows. Conducted data cleaning to ensure accuracy and consistency. Final analysis results were effectively communicated through visualizations.

Jupyter Notebook, Pivot Tables, Report

Statewide Distributed Solar

Analyzed a dataset related to solar energy installations, focusing on installation locations and energy output. Conducted data cleaning by filling and removing null values, dropping duplicates, and visualizing key trends.

Jupyter Notebook

Diabetes_Diabetic Dataset

Worked with a diabetes dataset to explore patient characteristics and health metrics. Cleaned the data by addressing missing values, removing duplicates, and generating visualizations to identify patterns in diabetes management and outcomes.

Jupyter Notebook