

Teresia Wanjiku, Data Analyst

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Detail-oriented and motivated Data Analyst with a solid foundation in software engineering and a proven ability to transform complex datasets into actionable, data-driven insights. Proficient in the full data lifecycle, from extraction (SQL) and cleaning to modeling, visualization (Power BI), and building automated reporting solutions. Seeking to leverage my unique combination of analytical, technical, and problem-solving skills to contribute to your organization's mission of fostering entrepreneurial growth through data-informed strategies and fintech innovation.

TECHNICAL & ANALYTICAL SKILLS

- Data Analysis & Languages: SQL (MySQL, Microsoft SQL Server), Python, DAX.
 - Data Visualization & BI Tools: Power BI, Excel (Pivot Tables, Charts, Advanced Formulas).
 - Databases & Data Management: Database Schema Design, Data Wrangling, Data Cleaning, Exploratory Data Analysis (EDA), Statistical Analysis.
 - Software Development: JavaScript, React, Ruby on Rails, RESTful APIs, Git, CI/CD, Agile/Scrum
 - Soft Skills: Problem-Solving, Critical Thinking, Cross-functional Collaboration, Data Storytelling, Excellent Written & Oral Communication.
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Projects

Bank Loan Analysis & Performance Dashboard | Personal Project

Tools used: Power BI, DAX, SQL Server, SQL Server Management Studio (SSMS), Excel

GitHub: <https://github.com/MwangiTess/Bank-Loan-Analysis>

- Developed an end-to-end data analysis solution by building a relational database in MS SQL Server and writing complex queries to extract key lending metrics.
- Designed and built an interactive Power BI dashboard featuring KPIs for loan applications, funded amounts, repayments, and risk analysis (Good vs. Bad Loans), enabling data-driven decision-making.
- Implemented advanced DAX calculations for time intelligence (MTD, MoM changes) and created visualizations like filled maps, trend lines, and breakdowns by purpose and demographics to identify critical business trends.

Maji Ndogo Water Infrastructure & Budget Analysis | Personal Project

Tools: Power BI, DAX, Data Modeling, Power Query

GitHub: <https://github.com/MwangiTess/maji-ndogo-water-analytics>

- Developed a comprehensive Power BI report to analyze the effectiveness of a national water infrastructure program and a \$147M budget across five provinces.
- Engineered an interactive dashboard with advanced bookmark navigation and toggle functionality, allowing stakeholders to dynamically switch views between province-specific data and improvement-type analysis.
- Delivered actionable insights into spending efficiency, rural vs. urban disparity, and improvement impact, enabling data-driven decisions on resource allocation and program strategy.

Professional Experience

Front-end Software Developer

FASI

May - August 2024

- Applied analytical troubleshooting skills to debug software issues and optimize data flow between front-end and back-end systems, enhancing application performance.
- Collaborated in an Agile cross-functional team, participating in daily stand-ups and sprint planning to ensure timely project delivery.
- Gained hands-on experience with back-end data processes, including consuming RESTful APIs and understanding database structures, supporting a comprehensive view of the data lifecycle.

Warehouse Clerk

Iprocure Limited

September - December 2022

- Managed and validated inventory data, ensuring 99% accuracy in stock records and supporting data integrity for supply chain operations.
- Led a team in coordinating receiving and dispatch operations, leveraging strong organizational skills to meet all Key Performance Indicators (KPIs) for efficiency and timeliness.
- Oversaw warehouse management system data entries, demonstrating acute attention to detail and a process-oriented approach.

Education

Mount Kenya University

Bachelor of Economics and Finance

Relevant Coursework: Econometrics, Statistics, Financial Modeling, Quantitative Analysis

Certifications

- ALX Certification in Data Analytics
- Moringa School Certification in Software Engineering
- ALX Professional Foundations Certification

Volunteer & Community Engagement

Community Service Director | Rotaract Club, Mount Kenya University

- Planned and coordinated monthly community service projects, directly engaging with and serving local communities.
- Led fundraising initiatives to secure resources for project execution, developing skills in project management and stakeholder engagement.

Club Service Director | Rotaract Club, Mount Kenya University

- Mobilized students to join the club and ensured active member participation, fostering a collaborative and inclusive environment.