

## MKANDOE HENDRY MWAMBURI

Senior Data Scientist | Power BI developer | Tableau | SQL | Python

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### EXECUTIVE SUMMARY

A dynamic Senior Data scientist with over 5 years of experience in transforming complex, unstructured data into predictive models and automated systems that drive significant business growth. Expert in the full data science lifecycle, from statistical analysis and Machine learning model development to deployment and MLOPS. Proven ability to lead high-performance analytics initiatives, influence stakeholders' decision-making, and architect data-driven solutions that optimize revenue, enhance operational efficiency, and solve critical business problems. Proficient in python, SQL, Power BI and the Hadoop ecosystem.

### WORK EXPERIENCE

**HAE GROUP KENYA, Nairobi, Kenya.**

**01/02/2024 -Present.**

**Data & Business Intelligence Analyst (Power BI Specialist).**

- Architected and deployed an end-to-end automated revenue reporting system in Power BI, replacing manual Excel processes and improving operational efficiency by 20%
- Pioneered the development of predictive Power BI report for quotes and bookings, analysis of the model's output identified key conversion drivers, leading to 30% increase in conversion rate and 10% rise in revenue.
- Consolidated disparate carrier reports into a single source of truth, increasing data accuracy to 97% and eliminating 50% of redundant reporting efforts
- Partnered with business stakeholders to translate complex business needs into functional specifications and technical data solutions, managing UAT and ensuring project alignment
- Supported system testing and user acceptance reviews, ensuring deliverables aligned with business expectations.

**NSSF KENYA, Nairobi, Kenya.**

**07/2022 - 12 /2023**

**DATA ANALYST.**

- Analyzed operational workflows using statistical methods to identify inefficiencies in claims processing, restoring compliance and reducing pending cases
- Collaborated with ICT to document business requirements and automate internal reports using Python (Pandas) for ETL and Power BI for visualization
- Designed and implemented a complaint-tracking dashboard with trend analysis, which reduced client walk-ins by 15% by proactively addressing service issues
- Provided management with data-driven insights that optimized employee task allocation and performance appraisal accuracy

**KUSCCO LIMITED, Nairobi, Kenya.**

**10/2021 – 01/2022**

**DATA ANALYST INTERN**

- Reviewed existing reporting workflows and helped design improved (“To-Be”) processes that increased efficiency.
- Developed interactive Power BI dashboards for executive visibility of marketing performance, improving results by 19%.
- Supported ETL development and automation using Python, reducing manual data handling.
- Developed power bi report highlighting key trends and metrics for the Sacco’s performance, the help the management point out areas generating more revenue

**EDUCATION**

**ALX AFRICA.**

**03/2025 – 09/2025**

Data Science - Awarded a certificate in Data Science.

**Taita Taveta University, Voi, Kenya.**

**08/2016 – 05/2021**

Bachelor of business Information technology - Awarded a degree certificate with second class honors (upper division).

**SKILLS**

- Statistical Analysis, Predictive Modelling, Hypothesis Testing, A/B Testing, and Algorithm Design
- Advanced Python (Pandas, NumPy, Scikit-learn, TensorFlow), Git, SQL, Spark, Hadoop
- ETL/ELT Pipelines, Data Warehousing, Power BI, SSIS and SSRS
- Business & Systems Analysis | Requirements Gathering
- Process Mapping & Workflow Design (“As-Is” & “To-Be”)
- Propensity Modelling, Operational Analytics
- Stakeholder Engagement | Communication & Collaboration
- Regulatory & Risk Compliance Alignment

**REFERENCES**

**JANE MANGU’YE**, Senior Record Manager, National Social Security Fund Kenya.

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