REAGAN ODHIAMBO OTIENO

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Summary

Detail oriented Data Analyst with expertise in statistical analysis, data visualization, and data management. Skilled in transforming complex data into actionable insights. Proficient in R, Python, SQL, Stata, Excel, and Power BI with experience creating interactive dashboards and optimizing data workflows. Dynamic data analysis abilities support a comprehensive understanding of industry trends and business needs, enhancing strategic communication through informed analysis reports.

Professional Experience

Data Analyst Apprentice   *Feb 2025 – May 17*
Dive Africa, Remote

- Developed interactive dashboards using Excel, improving decision making efficiency by 30%.
- Utilized Power BI to create visual reports for business stakeholders, integrating media monitoring to enhance data context.
- Executed advanced statistical modeling to drive data driven business decisions and provided quality assurance analytics for key performance indicators (KPIs), focusing on the accuracy and relevance of reports.
- Designed and implemented comprehensive dataset collection systems for data acquisition, cleaning, and processing within a collaborative team environment, ensuring efficient reporting mechanisms.

Academic Writer   *Aug 2020 – Present*
Freelance

- Authored and delivered 100+ academic papers focused on research methodologies and statistical analysis, particularly in data science and collection systems. Presented findings with clarity, contributing to presentation skills.
- Conducted extensive data analysis and visualization using R and SPSS, contributing to research in big data and industry trends, through effective feedback mechanisms resulting from social media strategies.
- Maintained high accuracy in data interpretation and compliance with academic standards for secondary education.

Industrial Attachment   *Oct 2021 – Decr*
National Hospital Insurance Fund, Nairobi, Kenya   *2021*

- Enhanced data integrity by developing and executing a comprehensive data cleansing initiative that corrected 10,000+ errors and inconsistencies across client records within one quarter, leading to a new standard for data management.
- Conducted financial status analyses to guide healthcare advisement, assisting in strategic planning and service improvement efforts.
- Utilized a variety of analytical methods to ensure data quality and reliability for operational reporting.

Education

Data and AI   *May 2025 – Present*
CYBER SHUJAA, Nairobi, Kenya

Bachelor of Science in Applied Statistics with Computing
UNIVERSITY OF KABIANGA, Kericho, Kenya

Graduation date: Nov 2022

- **Grade:** Second Class Upper Division
- **Relevant Coursework**: Mathematical Statistics, Statistics and Probability, Theory of estimation, Experimental design, Programming languages related to Computer Science.
- **Clubs**: Young Computing Professional Learners

Data Analysis Projects

Healthcare Data Analysis (Excel & Power BI)

April 2025

- Analysed patient records and hospital performance metrics to identify trends in healthcare service delivery.
- Engaged in social media campaigns to promote findings and insights.
- Designed interactive Power BI dashboards, enabling real-time monitoring of key health indicators.
- Conducted statistical analyses to improve hospital resource allocation and patient outcomes using robust data analysis techniques.

Online Store Sales Analysis (SQL & Power BI)

March 2025

- Developed a SQL-based data pipeline to extract, clean, and transform e-commerce sales data.
- Provided comprehensive feedback on customer preferences through statistical review.
- Created Power BI dashboards to track revenue, customer behavior, and product performance..
- Provided actionable insights that improved sales strategy and customer retention based on comprehensive data collection.

Additional Skills

- **Statistical programming & Data Analysis**: Python, R, SQL, Excel, and SPSS
- **Data Visualization**: Power BI, and Excel Dashboards
- **Statistical Modelling**: Regression Analysis, Hypothesis Testing, and Time-Series Forecasting
- **Data Management**: Data Cleaning, Transformation, and Pipeline Development
- **Soft Skills**: Problem Solving, Analytical, Attention to Details, Strategic Communication, Speaking, Idea Generation, And Analytical Skills

Certifications

- Certified in Data Analysis with R - Young Computing Professional Learners
- Tata Data Visualization: Empowering Business with Effective Insights – Forage (March 2025)

Achievements

- Designed dashboards that improved sales tracking by 30% using big data platforms.
- Authored 100+ academic research papers with a 99% accuracy rate in data interpretation and adherence to statistical methodologies.
- Verified client records with 100% compliance to industry standards, ensuring proper data management practices.