

DAVID ODHIAMBO OWINO

DATA ANALYST

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PROFESSIONAL SUMMARY

Data analyst proficient in SQL, Python, and Power BI, with a strong foundation in statistics and a successful career in academic performance analytics. Streamlined operations to reduce retrieval time by 90% and improved reporting efficiency by 80%. Demonstrates transferable, hands-on experience in data visualization, predictive analytics, and statistical modeling. Eager to apply analytical strengths to new domains and drive business growth.

SKILLS

- **Technical:** Excel (Adv), SQL, Python (Pandas, NumPy, Matplotlib, Seaborn), Power BI, Tableau, Looker Studio.
- **Analytical:** Data Wrangling, EDA, Feature Engineering, Statistical Analysis, Forecasting, Dashboard Design.
- **Databases & Workflow:** Relational Databases, ETL Processes, API Integration, Automation, Data Storytelling.

WORK EXPERIENCE

Data Specialist | Kombeni High School & Sub-County Education Office Mar 2022 to Present

- Promoted to lead a county-wide analytics initiative with 6 stakeholders, generating insights that directed strategic resource planning across 15 entities, and recognized for data-driven decision-making in 2023.
- Conducted in-depth analyses of KPIs such as dropouts, enrollment, and transitions, uncovering trends to inform equitable strategies and drive improved outcomes across diverse stakeholder groups in the county.
- Analyzed performance data from 20 entities to identify key gaps, pinpointing areas for improvement that guided specialized training initiatives and resulted in a 12% improvement in key performance metrics.

Data Analyst (Performance Analyst) | Kombeni High School Apr 2017 to Present

- Evaluated student dropout rates, identified key socioeconomic factors, and reduced dropouts by 8%.
- Automated performance reporting for large datasets (1,100+ entries) using Excel, resulting in an 80% improvement in reporting efficiency.
- Executed ANOVA and regression analysis on performance data, driving actionable insights and visualizations that improved performance by 15% and reduced transfer cases by 18%.

PROJECTS

View portfolio: <https://daviedavie100.github.io/portfolio> Nov 2022 to Dec 2024

- Engineered Python data pipelines during the KPMG Virtual Internship to segment 4,000+ customers based on demographics and behavior, and created Power BI dashboards to forecast high-value target customers.
- Designed and built Power BI dashboards to visualize sub-county performance data (19 schools, 2,400 students) in national assessments, identifying distribution disparities and performance benchmarks.
- Retrieved and cleaned a large, multi-relational database (200K+ rows, 199 columns) using Python, uncovering key insights and producing actionable visualizations to drive strategic decisions.
- Built SQL scripts using JOINS and CTEs to analyze a 30K+ flight database, uncovering revenue trends, sales peaks, and delay patterns; delivered visual insights to optimize peak travel timing and route planning.
- Constructed an interactive Google Looker Studio dashboard to visualize 10+ patterns and trends in Motor Vehicle Theft data, enabling law enforcement to identify crime hotspots and optimize patrol strategies.
- Streamlined data analytics workflows by extracting and organizing data via the Twitter API, cutting preparation time by 40% and uncovering engagement trends to guide strategic planning.
- Formulated intervention strategies by mapping achievement gaps across gender and institutional ranking trends, boosting performance of underperforming institutions by 12%.

CERTIFICATION & TRAINING

- KPMG AU Data Analytics Virtual Experience | [Forage](#) May 2024
- Associate Data Analyst in SQL | [Datacamp](#) Jan 2023
- Data Analyst Nanodegree | [Udacity](#) Nov 2022
- Programming Essentials in Python | Cisco Networking Academy® Apr 2022

EDUCATION

- B. ED Science – Statistics Major | Kenyatta University Dec 2010