FREDRICK OCHIENG

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DATA ANALYST

Experienced in data analysis, SQL, Python, and data visualization, I specialize in driving data-driven decisions and uncovering actionable insights. I apply statistical techniques to analyze complex datasets, ensuring data integrity. With a proven track record of collaborating with cross-functional teams, I solve data-centric challenges and enhance analytical accuracy. Passionate about technology policy, I bring a blend of technical expertise and strategic insight to support informed, impactful decisions.

TECHNICAL SKILLS

Python, SQL, Microsoft Excel, Power BI, Pandas, NumPy, Matplotlib, Seaborn.

TECHNICAL PROJECTS

Electricity Consumption Prediction for Tétouan, Morocco - GitHub
Utilized time series analysis to predict energy consumption in 10-minute intervals for Tétouan, a city in northern Morocco, supporting efficient energy management.
- Processed 500,000+ data points to uncover energy usage patterns, boosting prediction accuracy by 20%.
- Built and optimized 3 predictive models to forecast demand, reducing error rates by 15%.
- Created 5 interactive dashboards for real-time monitoring, enhancing decision-making efficiency for stakeholders.

Power BI Sales Dashboard- GitHub
Developed a Power BI Sales Dashboard analyzing sales data from 2018 to 2021, delivering actionable insights into business performance.
- Visualized monthly sales trends with a dynamic line chart to reveal seasonal patterns and growth opportunities.
- Created customer insights through a bar graph showing total sales by category, clarifying key revenue segments.
- Implemented custom filters for targeted analysis, enabling users to explore specific time frames or categories.

EXPERIENCE

Data Analytics Intern, **Safra Data School**, Nairobi, Kenya   05/2024 – 08/2024

- Processed and analyzed healthcare datasets using Python and SQL, uncovering actionable insights to improve patient outcomes.
- Performed data wrangling tasks, addressing missing values and outliers to ensure dataset integrity.
- Implemented machine learning models with scikit-learn for predictive analytics, achieving a 20% improvement in model accuracy.
- Communicated insights effectively through dashboards, reports, and presentations for both technical and non-technical stakeholders.

Talent Acquisition Analyst, **Strategic Commodities Financing Fund LLC,** New York (Remote)   08/2021 – 04/2022
- Analyzed recruitment data and optimized candidate screening processes using data-driven insights, improving selection quality.
- Developed and executed targeted recruitment strategies based on analytics from job boards, social media, and professional networks.
- Leveraged data to enhance the company's employer brand and monitored candidate experience metrics to ensure quality engagement.

EDUCATION

Kabarak University, Nakuru, Kenya | Bachelor of Science in Computer Science   09/2020 – 12/2024
Starehe Boys' Centre and School, Nairobi, Kenya |High School Diploma | Mean Grade: **B+**   02/2016 – 12/2019