VINCENT OKINYI

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Professional Summary

Detail-oriented Statistician with a strong foundation in data analysis, research methodologies, and data systems. Skilled in using R, STATA, Python, and Power BI for data management, visualization, and statistical modeling. Adept at leveraging AI tools to enhance analysis, automate reporting, and improve research efficiency. Passionate about transforming complex datasets into actionable insights that drive decision-making and improve organizational outcomes.

Education

Bachelor of Science in Applied Statistics with Computing
University of Eldoret — 2020 – 2024

Kenya Certificate of Secondary Education (KCSE)
Orero Boys High School — 2016 – 2019

Kenya Certificate of Primary Education (KCPE)
Usare Primary School — 2011 – 2015

Professional Experience

Data Analyst Intern
United States Army Medical Research Directorate – Kenya
May 2025 – Present

- Analyzed population trends in Kombewa HDSS and Kenya (2011–2024) using R, STATA and Python
- Assessed vital statistics including birth rates, fertility rates, mortality rates, and morbidity rates.
- Collected verbal autopsy data using Kobo Toolbox.
- Conducted household demographic updates via Droid DB.
- Collaborated with field officers, demographers, and data managers to ensure data quality.

- Developed a mortality analysis report for Kombewa HDSS on Power Bi dashboard.

Data Manager Intern
Walter Reed Army Institute of Research – Kenya
May 2023 – August 2023

- Completed CITI Good Clinical Practice training.
- Created data entry forms using MS Access.
- Cleaned and analyzed datasets using R, STATA, and Excel.
- Performed survival analysis to predict event outcomes.
- Utilized Droid DB for field data collection.

🛠 Technical & Professional Skills

- **Statistical Tools**: R, STATA, Python
- **Data Management**: MS Excel, MS Access, MySQL, Droid DB
- **Visualization & Reporting**: Power BI
- **Clinical Research**: Good Clinical Practice (GCP), Kobo Toolbox
- **Other Tools**: Microsoft Office Suite, AI Tools (e.g., ChatGPT, Copilot, Power BI AI)
- **Soft Skills**: Leadership, Collaboration, Communication, Problem Solving

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📜 Certifications & Leadership

- Chairperson, **MUSDA Sub-station Board** (2023–2024)
- CITI Certified: **Good Clinical Practice** (June 2023)
- Organizer, **University of Eldoret Career Day** (2023)
- Chairperson (First Elder), **UoE SDA Church** (2022–2023)
- Assistant Head of Music, **UoE SDA Church** (2021–2022)
- Executive Committee Member, **8th IUMMC**, Masinde Muliro University (2023)
- Participant, **Healthy Choices Program** by TUNAWEZA Project (2011 & 2012)

🌍 Languages

- English — Fluent
- Kiswahili — Fluent

🏢 Referees

Dr. Zachariah Ongwae
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Mr. George Abwao
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