

WELDON KIPKURUI LANGAT

Nairobi, Kenya

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[Github](#) | [Porfolio](#) | [linkedin](#)

PROFESSIONAL SUMMARY

EDUCATION

I am detail-oriented **Statistician** with a Bachelor's degree in Applied Statistics with Programming and practical experience in data collection, editing, analysis, and reporting. Skilled in preparing tabulation and analysis plans, computing statistical indices, supporting monitoring and evaluation activities, and disseminating county-level statistics using Python, SQL, and Power BI to support policy and planning decisions.

Bachelor of Science in Applied Statistics with Programming

Murang'a University of Technology

Graduated: 2025 — Second Class Honours (Upper Division)

Relevant Coursework:

- Statistical Computing I ,II & III
- Probability and Distribution Theory I & II
- Regression & Statistical Modelling
- Time Series Analysis & Econometrics
- Database Management Systems

TECHNICAL SKILLS

- Programming & Analysis: Python (pandas, sklearn, statsmodels), R,C C++
- Databases: SQL (MySQL)
- Data Visualization: Power BI
- Statistical Tools: SPSS, STATA

- Methods: Hypothesis Testing, Econometrics, Time Series Forecasting, Stochastics Processes I & II
- Machine Learning: Logistic Regression, Random Forest

SELECTED PROJECTS

Application of Theory of Estimation in Real-Life Business Analytics

- Applied confidence intervals, hypothesis testing, Maximum Likelihood Estimation (MLE), and bootstrap methods using Python
- Modeled right-skewed spending data using Gamma distribution
- Conducted sample size and power analysis to support business decision-making

Application of Time Series Analysis in Economic Growth: Kenya GDP (2000–2023)

- Collected, cleaned, and analyzed GDP data from the World Bank
- Conducted trend analysis and descriptive statistics
- Applied Linear Regression to forecast GDP growth up to 2028

Bank Analytics & Loan Performance Dashboard

- Integrated SQL and Python for loan and customer data analysis
- Analyzed credit risk and loan performance indicators
- Built an interactive Power BI dashboard to support data-driven lending decisions

Kenya Vehicle Tracking & Analytics System (Team Project)

- Designed a relational database and Python logic for live vehicle monitoring
- Developed dashboards to analyze traffic patterns and road safety insights

ATTACHMENT EXPERIENCE

Murang'a County Government

- Collected, cleaned, and analyzed administrative and project data to support evidence-based decision-making
- Supported Monitoring & Evaluation (M&E) activities by tracking project performance against defined indicators

- Contributed to project feasibility studies through data analysis, field verification, and reporting
- Assisted in tracking and evaluating implementation of the County Integrated Development Plan (CIDP)
- Prepared professional reports, meeting minutes, and presentation materials for internal and external stakeholders

CERTIFICATIONS

- SPSS & STATA — KESAP Research Centre
- Introduction to Data Science — Cisco Networking Academy
- Artificial Intelligence Fundamentals — IBM (Credly)
- Data Analyst — Micro1
- Data Analytics Essentials — Cisco Networking Academy
- Machine learning for data science projects — IBM

SOFT SKILLS

- Strong teamwork and collaboration
- Effective verbal and written communication
- Analytical thinking and Strategic problem-solving
- Fast learner with adaptability to new environments
- Reliable, ethical, and dependable
- Ability to work under pressure and meet deadlines

REFERENCES

Available upon request