BENSON **KIPROTICH**

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Skilled Data Analyst with a passion for data science and analytics, proficient in Python, SQL, and R programming languages, Power BI and Tableau for data visualization. Experienced in data collection, analysis, reporting, and presenting actionable insights to stakeholders. Holds a BSC. in Statistics and Programming from Machakos University and has completed various data analysis projects as a Data Specialist and Data Analyst.

EXPERIENCE

JANUARY 2023 - PRESENT

Data Analyst, Kenya Revenue Authority

- Identifying and streamlining data flows for business initiatives, considering all data governance policies, rules, and processes.
- Conducting periodic data quality checks to identify gaps, anomalies, and inconsistencies in the database.
- Formulating data quality rules for data clean-up processes and creating a data quality dashboard.
- Analyzing existing data sources to interpret consumer behavior and uncover insights.
- Performing analysis, cross-referencing, merging, and consolidating data from multiple sources.
- Preparing and distributing key reports to stakeholders to aid in informed decision-making.
- Driving the data governance and commercialization strategy and pipeline work with key stakeholders.
- Conducting ad hoc analysis as needed.
- Fulfilling other duties assigned by your Line Manager.

MARCH 2022 - PRESENT

Data Specialist, Freelance - Upwork

- Collecting, cleaning, and analyzing data from various sources
- Creating reports, dashboards, and visualizations to communicate data insights
- Developing and implementing data management policies and procedures
- Identifying patterns and trends in data to inform business decisions
- Collaborating with stakeholders to understand their data needs and provide solutions
- Ensuring data accuracy, consistency, and integrity across all systems and platforms
- Staying up-to-date with emerging data technologies and trends
- Communicating data insights and recommendations to non-technical stakeholders
- Providing data support and training to team members and clients
- Delivering projects on time and within budget.

NOVEMBER 2021 – FEBRUARY 2022

Data Research Analyst, Sagaci Research

- Developing a strong understanding of market, industry, and technology to prepare syndicated reports, articles, and other materials assigned to me.
- Conducting in-depth analysis to evaluate market size, forecast, and market shares.
- Performing qualitative and quantitative data analysis.
- Writing excellent syndicated reports, maintaining high quality, and adhering to strict timelines according to BU standards.
- Applying research techniques such as SWOT, PESTLE, and Porter's five force model.
- Participating in customer meetings to present research findings.
- Developing excellent research reports and insights while adhering to strict deadlines.

APRIL – SEPTEMBER 2021

Statistical Analyst Intern, Kenya National Bureau of Statistics

- Assist in collecting and organizing data from various sources
- Perform statistical analysis on data using software such as R, SAS or SPSS
- Create charts, tables, and other visualizations to present data
- Help prepare reports and presentations to communicate findings to stakeholders
- Conduct research to identify trends and patterns in data
- Collaborate with other team members to design experiments or surveys
- Assist with data cleaning, data validation, and data entry tasks
- Keep up to date with the latest developments in statistical analysis techniques and software
- Attend meetings and provide input on statistical analysis issues and questions
- Work on ad-hoc projects as assigned by the supervisor

EDUCATION

09/2017 - 12/2021

BSC. STATISTICS AND PROGRAMMING, MACHAKOS UNIVERSITY

Graduated with a Second-Class Honors degree.

02/2013 – 12/2016

KCSE, KITURO HIGH SCHOOL

Completed with a B in Kenya Certificate of Secondary Education.

SKILLS

- **Data Analysis**
- **Data Visualization (Tableau, Power BI)**
- **Statistical Analysis**
- **Programming(Python, R, SQL)**
- **Experimental Design**
- **Critical Thinking**
- **Machine Learning**
- **Project Management**
- **Communication**

Professional Development

Online courses completed with certificates.

1. **Google Data Analytics (Google)**
   - Completed eight courses on preparing, processing, analyzing, and sharing data for thoughtful action that include hands-on, practice-based assessments.

2. **Statistics With Python (University of Michigan)**
   - I completed 3 courses and gained intermediate concepts of statistical analysis. I learned how to effectively summarize and visualize data, utilize data for estimation and assessing theories, interpret inferential results properly, and apply more advanced statistical modeling procedures.

3. **Data Science: Statistics and Machine Learning (John Hopkins University)**
   - The Data Science Specialization covers the concepts and tools for an entire data science pipeline in 5 courses.
   - Through these courses, I learned how to use the tools of the trade, think analytically about complex problems, manage large datasets, deploy statistical principles, create visualizations, build and evaluate machine learning algorithms, publish reproducible analyses, and develop data products.

4. **IBM Data Analyst (IBM)**
   - The IBM Professional Certificate is earned after successfully completing 9 courses on various topics in Data Analytics.
   - Through these courses, I gained an understanding of the core principles of data analysis and was hands-on with a variety of data sources, project scenarios, and data analysis tools, including Excel, SQL, Relational Databases, Python, Jupyter Notebooks, and Cognos Analytics. This allowed me to gain practical experience with data manipulation, data analysis, and data visualization.
   - I have demonstrated proficiency in applying different analytical techniques by analyzing real-world datasets, creating visualizations and interactive dashboards, and presenting reports to share the findings of data analysis.

Referees

1. **Peter Mosagwe**, Lead Data Engineering & Analytics, KRA
   peter.mosagwe@kra.go.ke

2. **Caroline Gatwiri** , Statistician, KNBS
   cgatwiri@gmail.com

3. **Evans Muuo,** Senior Research Analyst, Sagaci
   evans.muuo@sagaci.com

4. **Moses Owana,** Statistics Lecturer
   owana.moses@yahoo.com