BENSON KIPROTICH

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DATA ANALYST

Profile

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.

Skills

- Data Analysis
- Programming(Python, R, SQL)
- Machine Learning
- Data Warehouse/ETL

- Data Visualization (Tableau, Power BI)
- Experimental Design
- Project Management
- Quantitative Analysis

- Statistical Analysis
- Critical Thinking
- Problem-solving
- Attention to detail

Experience

Data Analyst, Kenya Revenue Authority

JANUARY 2023 - PRESENT

- Identified and streamlined data flows for business initiatives, considering all data governance policies, rules, and processes.
- Conducted periodic data quality checks to identify gaps, anomalies, and inconsistencies in the database.
- Formulated data quality rules for data clean-up processes and created a data quality dashboard.
- Analyzed existing data sources to interpret consumer behavior and uncovered insights.
- Performed analysis, cross-referenced, merged, and consolidated data from multiple sources.
- Prepared and distributed key reports to stakeholders to aid in informed decision-making.
- Drove the data governance and commercialization strategy and pipeline work with key stakeholders.
- Conducted ad hoc analysis as needed.
- Fulfilled other duties assigned by my Line Manager.

Data Specialist, Freelance - Upwork

MARCH 2022 - PRESENT

- Collected, cleaned, and analyzed data from various sources.
- Created reports, dashboards, and visualizations to communicate data insights.
- Developed and implemented data management policies and procedures.
- Identified patterns and trends in data to inform business decisions.
- Collaborated with stakeholders to understand their data needs and provided solutions.
- Ensured data accuracy, consistency, and integrity across all systems and platforms.
- Stayed up-to-date with emerging data technologies and trends.
- Communicated data insights and recommendations to non-technical stakeholders.
- Provided data support and training to team members and clients.
- Delivered projects on time and within budget.

Data Research Analyst, Sagaci Research

NOVEMBER 2021 – FEBRUARY 2022

- Developed a strong understanding of market, industry, and technology to help prepare syndicated reports, articles, and other materials assigned to me.
- Conducted in-depth analysis to evaluate market size, forecast, and market shares.
- Performed qualitative and quantitative data analysis.
- Assisted in writing syndicated reports, maintaining high quality
- Applied research techniques such as SWOT, PESTLE, and Porter's five force model.
- Participated in customer meetings to present research findings.
- Developed excellent research reports and insights while adhering to strict deadlines.

Statistical Analyst Intern, Kenya National Bureau of Statistics

APRIL – SEPTEMBER 2021

- Assisted in collecting and organizing data from various sources.
- Performed statistical analysis on data using software such as R, SAS or SPSS.
- Created charts, tables, and other visualizations to present data.
- Helped prepare reports and presentations to communicate findings to stakeholders.
- Conducted research to identify trends and patterns in data.
- Collaborated with other team members to design experiments or surveys.
- Assisted with data cleaning, data validation, and data entry tasks.
- Kept up to date with the latest developments in statistical analysis techniques and software.
- Attended meetings and provided input on statistical analysis issues and questions.
- Worked on ad-hoc projects as assigned by the supervisor.

Education

BSC. STATISTICS AND PROGRAMMING, MACHAKOS UNIVERSITY

09/2017 - 12/2021

Graduated with a Second-Class Honors degree.

KCSE, KITURO HIGH SCHOOL

02/2013 – 12/2016

Completed with a B in Kenya Certificate of Secondary Education.

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)**
   - 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
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4. **Moses Owana,** Statistician, MKSU
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