Paul Kinyanjui

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I am a highly motivated individual, with keen interest in machine learning and big data analytics. I hold a master's degree in Statistics. I am a Mathematics and Statistics tutor with over three years teaching experience at university level. I work as a researcher at Niagh Group Limited. I am currently pursuing MS Business Analytics.

Work Experience

Researcher

Niagh Group Limited

May 2018 to Present

• Data Analysis – using statistical procedures such as linear and logistic regression, ANOVA, advanced statistical analysis tools such as multivariate analysis, parametric and non-parametric tests.
• Proposal Writing – Development of proposals in collaboration with other organizations to seek for fully funded research projects.

Lecturer in Data Science

Egerton University

April 2018 to December 2021

• Teaching data analysis using R, Python, Stata, SQL, SPSS, Excel, Pivot Tables, and Tableau.
• Offering consultancy services to students undertaking research projects particularly in decision modeling, hypothesis testing, optimization algorithms, multivariate analysis, and survival analysis.
• Assisting professors in marking of exams

Applied Data Specialist

Roeck Company Limited

May 2016 to December 2016

• Conducting Market Surveys – Identifying popular consumer goods, close substitutes in collated commercial data. Administration of opinion polls to determine consumers' tastes and preferences.
• Market Segmentation – Conducting demographic segmentation based on factors such as age, income, education, and gender.
• Analysis of Market Data – Using visualization tools such as Tableau, Python matplotlib, and R statistical procedures such as classification trees.

Data Analyst

Statistical Analysis Bureau of Egerton University (SABEU)

September 2014 to May 2016

• Distribution of the questionnaires
• Analysis of Data
• Presentation of reports on polls and surveys.

Education

Master of Science in Business Analytics

University of Alabama in Huntsville - Huntsville, AL

May 2023

Master of Science in Statistics Graduation

Egerton University Njoro

June 2021

Bachelor of Science in Economics and Statistics Graduation

Egerton University Njoro

December 2016

Skills

- I am well versed in:
- R: Spatial data modeling, data imputation, MANOVA, survival data analysis, regression analysis, data mining, classification and regression trees.
- Python: Data visualization, statistical analysis, regression analysis, decision modeling.
- Tableau: Data visualization, trend forecasting, correlation analysis.
- MS Excel: Regression analysis, ANOVA, preparation of digitized questionnaires (for use with Kobotoolbox), solver and pivot chart analysis.
- Stata and SPSS: ANOVA analysis, correlation analysis, hypothesis testing, parametric and non-parametric tests.
- SQL: Development and analysis of relational databases.
- Machine Learning
- Microsoft SQL Server