GEORGE ODUOR

· +254711894704 · P.O. Box 21,Ugunja.

george.wamaya@gmail.com | linkedin.com/in/georgeoduor | github.com/georgeoduor

Precise results-driven Statistical Analyst with excellent data mining and Machine learning analysis abilities. Hardworking and flexible with outstanding interpersonal skills. Recognized for strong research skills and a dedication to accuracy. Adept working with R, Python, Stata, SPSS and Excel for qualitative and quantitative analysis. Looking forward to use skills gained from B.Sc. in Statistics and IBM certification in Machine Learning solve problems and innovate.

SKILLS

Programming Languages: Python, R, HTML, CSS
Data Analysis tools: SPSS, STATA, and Excel
Strongest Areas: Data Science, Supervised Learning, Unsupervised Learning, Predictive Analytics, Data Visualisation
Soft Skills: Leadership, Effective Communication, Team work and Adaptability

EXPERIENCE

MAISHA MICROFINANCE BANK - NAIROBI

Digital Channels Officer, SEP 2019 – PRESENT

- Data mining, analysis and dashboard development for real time reporting.
- Built an R based package for automated daily reporting within the bank, this ensured accuracy and timeliness of reports generations within the bank.
- Designed a standard debt collection application that facilitated accurate and efficient debt collection data management and real time analysis.
- Contributed to development of precise credit scoring model using supervised machine learning models. This project enabled the bank to increase loan repayment rate significantly form 20% to 73%.
- While working here I gained skills on stakeholder and project management duties.

RURALNET ICT ACADEMY - UGUNJA

ICT TUTOR (Data Analyst), NOV 2017 – SEPT 2019

- Trained professionally to over 50 students on using statistical packages R, Python, SPSS and Advanced Excel alongside offering statistical data analysis services to research students.
- Introduced quality data science and analytics training which increased the intake and revenue significantly.
- Proposed, designed and implemented a new student's information management and tracking system database which improved efficiency in the office.

FREELANCE

Student research assistant and machine learning analyst, NOV 2017-SEPT 2019

- Built and published machine learning models (supervised and unsupervised) with high levels of accuracy.
- Built interactive visualization dashboard using R shiny package.

CARE KENYA

Research Assistant, MARCH 2019

- Successfully collected quality and accurate data from the field by listening keenly to responses and probing more for explanations within stipulated time frame

CARE KENYA

Research Assistant, NOV 2017
- Accurately and precisely gathered evaluation data for a projects midterm survey. This made our team to be appointed me for the next rounds of end term surveys.
- Gained strong interpersonal and accountability skills alongside strong payment to details

EDUCATION

B.SC. STATISTICS AND PROGRAMMING, KENYATTA UNIVERSITY

2012 -2017
Specialized in Applied statistics and statistical programming.

CERTIFICATE, LEADERSHIP DEVELOPMENT AND MENTORSHIP, KENYATTA UNIVERSITY

August 2017
Acquired fundamental leadership, organizational and interpersonal skills.

CERTIFICATIONS

- Data Science Methodology   **Cognitive Class, IBM**
- M&E Fundamentals,   **Global eLearning Centre(GHEL)**
- Data Quality and Data Use for Program Managers.   **Global eLearning Centre(GHEL)**
- PHP Tutorial Course.   **Solo Learn (eLearning platform)**
- Python 3 Tutorial Course.   **Solo Learn (eLearning platform)**
- Machine Learning with R   **Cognitive Class, IBM**
- Machine Learning with Python   **Cognitive Class, IBM**
- SQL and Relational Databases 101   **Cognitive Class, IBM**

PERSONAL PROJECTS AND PUBLICATIONS

1. **Data Visualization:**
- National KCSE performance trend between 2009 and 2013 dashboard with shiny in R
2. **Unsupervised Learning:**
- Performed a customer segmentation analysis with K-Means Clustering and Hierarchical clustering that produced three main clusters which enabled me to explore the customers' characteristics further.
3. **Supervised Learning**
- Built a support vector machines in R to predict breast cancer relapse among women with 78% accuracy level after hyper parameter tuning.
- Built a loan approval prediction with a mixture of models(Decision trees, logistic regression and random forest classifiers).This project explored different features and feature transformations that can be used to predict loan approval
- Successfully built a predictive model using a mixture of models from 10 stores to find the properties of sales each store. This information was key in future sales prediction.
4. **Data Mining Projects**
- Accurately corrected errors and extracted meaningful information form a hospital data. Insights from this project was used to recommend hospitals that qualified for the typhoid campaign funding from the government.
- Developed a standard R package used for reading and analyzing MPESA statements.

REFERENCES:

1. **Dr Leo Odongo**

Lecturer-Statistics Department

Kenyatta University.

leo_odongo@yahoo.co.uk

0722-387 299

2. **Dr Jacob Wanyonyi Nato**

   Lecturer – Economics Department

   Kenyatta University.

   jacobnato@yahoo.com

   +254 726 460 771

3. **Dr. Albert Omulo**

   Lecturer: Governance and Public Administration-(Previous Research Client)

   School of Government, University of the Western Cape

   Mobile: +27 62 789 0514

   Email:3523464@myuwc.ac.za (work)