

UWAYO Valentin

Masters of Science in Financial Engineering

PERSONAL DETAILS

<i>Address</i>	Kigali, Rwanda
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SUMMARY

I am a data-driven problem solver with a passion for uncovering insights from complex datasets. With 3 years of experience in data management, analysis and visualization, I have developed a strong proficiency in, MS Excel SQL, Python, and Tableau. I am skilled in presenting complex data in an understandable way, and enjoy collaborating with cross-functional teams to drive business decisions based on data-driven insight.

WORK EXPERIENCE

Data manager

April 2023 - September 2023

CIDRA Ltd, Centre for Integrated Development Research and Action Limited

I was responsible for developing, overseeing, organizing, storing, and analyzing data and data systems. ■

WORK EXPERIENCE

Data Analyst

2020 - April 2023

BAC Ltd, Best Associated Consultants Limited

Data Collection and Management: Responsible for collecting relevant data from various sources, such as surveys, databases and ensure data quality, accuracy, and integrity by cleaning, organizing, and transforming the data into usable formats. ■

Data Exploration and Visualization: Use statistical techniques and data visualization tools to explore trends, patterns, and relationships within the data. Visualizations, such as charts, graphs, and dashboards, to help stakeholders understand complex policy issues and potential impacts. ■

Policy Modeling and Simulations: Develop quantitative models and simulations to assess the potential outcomes of different policy scenarios to help policymakers to understand how different variables interact and project the effects of policy changes. ■

Statistical Analysis: Perform rigorous statistical analysis to uncover insights and correlations that inform policy decisions by using regression analysis, hypothesis testing, and predictive modeling to identify relationships between variables and outcomes. ■

Impact Assessment: Evaluate the impact of existing policies by analyzing data before and after policy implementation.

Stakeholder Engagement: Collaborate with policymakers, researchers, and other stakeholders to understand their needs and ensure that policy analysis aligns with the objectives and goals of the organization.

Policy Recommendation: Based on data analysis and insights, provide evidence-based recommendations to policymakers and communicate complex technical findings in a clear and understandable manner to support informed decision-making.

Data-Driven Insights: Distill complex data into actionable insights to guide policy formulation, implementation, and evaluation.

Intern In research Department

2019 - 2020

BAC Ltd, Best Associated Consultants Limited

Conducted customer segmentation and behavior analysis to support marketing campaigns.

Assisted in the development of marketing strategies based on data insights

Designed and executed A/B testing experiments to evaluate marketing campaign effectiveness

Assisted in the development of visualizations and dashboards to communicate findings to stakeholders

EDUCATION

Master's degree in Financial Engineering at WorldQuant University.

2020-2022

https://www.credly.com/badges/d28418da-276e-40d9-bb15-8949b1ac9353/public_url.

Bachelor's degree in Applied Statistics, University of Rwanda (UR)

2015-2019

A' level in Mathematics Economics and Geography (MEG)

2012-2014

O' level at College de Rushaki

2009-2011

Primary level education

2002-2008

SOS Byumba

Nusery Education

2000-2001

SOS Byumba

SKILLS

Proficient in statistical analysis software such as R and Python

Skilled in data visualization and reporting tools like Tableau, Excel, and PowerBI

Experience in designing and conducting experiments, surveys, and data collection procedures in a retail environment

Experience in designing and conducting surveys, experiments, and data collection procedures

Proficient in database management systems such as SQL, Oracle, and MySQL

Strong knowledge of retail industry trends, marketing concepts, and customer behavior analysis

Excellent analytical and problem-solving skills

Strong communication and interpersonal skills

ACHIEVEMENTS

Applied Data Science Lab ■

links: https://www.credly.com/badges/c8f6249d-f039-4d5b-87b2-55f345faa126/public_url

Description :

In each project, they accessed data from files, SQL and NoSQL databases and APIs. They have demonstrated their ability to explore and clean data, create functions and ETL pipelines to prepare training sets. They have built machine learning models for supervised and unsupervised learning tasks, and have created visualizations to explain data characteristics and model predictions for non-technical audiences.

CERTIFICATIONS

Applied Data Science II: Machine Learning and Statistical Analysis ■

WorldQuant University,

Data Science, Duration: 3 months

link: https://www.credly.com/badges/8135401a-1137-4ab1-ac19-a67a4a454550/public_url

Applied Data Science I: Scientific Computing and Python ■

WorldQuant University,

Data Science, Duration: 3 months

link: https://www.credly.com/badges/a0aa8247-dfc4-4d00-a4f6-6adf9f0e91ac/public_url

Python for Data Science and Machine Learning Bootcamp ■

Instructor: Jose Portilla, Duration: 25 hours, Udemy

The Essential Guide to Stata ■

Instructor: F. Buscha, Duration: 14 hours, Udemy

Complete Introduction to Google Sheets Pivot Tables ■

Instructor: F. Ian Littlejohn, Duration: 7.5 hours, Udemy

Python for Finance: Investment Fundamentals and Data Analytics ■

Instructor: 365 Careers, Duration: 8.5 hours, Udemy

LaTeX for Professional Publications ■

Instructor: Toni Farley, Duration: 3 hours, Udemy

Complete Introduction to Business Data Analysis ■

Instructor: Ian Littlejohn, Duration: 3.5 hours, Udemy

Time Series Analysis in Python 2021
Instructor: 365 Careers,Duration:7.5 hours, Udemy



REFERENCES

<i>REFERENCE I</i>	<i>REFERENCE II</i>	<i>REFERENCE III</i>
<i>Dr Ignace KABANO</i>	<i>Mr. BIZIMANA Innocent</i>	<i>Mr. Rwema Valens</i>
<i>Senior Lecturer at UR</i>	<i>Founder of BAC ltd</i>	<i>Data Analyst CHAI-Rwanda</i>
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