Innocent Nhamo

Data Analyst/Scientist

Data Analyst/ Scientist, skilled in Python, R, and Excel. Continuously developing in statistical modelling, financial data analysis, and algorithmic trading. Proven ability to transform complex data into actionable insights, enhancing investment strategies and risk management for informed decision-making.

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EDUCATION

BSc. Mathematical Statistics
University of Pretoria

02/2022 - Present

Communities

- Class Representative for 3 modules, in the first and second years of study
- University Student Culture Board (STUKU) General Member (2023)
- Faculty House (NatHouse) Committee General Member (2022)
- UP TEDx Financial Manager (2023)

WORK EXPERIENCE

Data Analyst Virtual Internship
Tata Online Simulation

10/2022 - 10/2022   *Online*

Achievements/Tasks

- Addressed executive-level issues by using targeted questioning techniques to identify core needs.
- Performed data analysis and visualization to derive actionable insights. Developed and created dashboards using PowerBI, incorporating KPIs to answer stakeholders' questions.
- Compiled comprehensive reports and proposed solutions to guide decision-making based on data findings.

Data Science (Job Shadow)
ABSA

07/2024 - 07/2024   *Johanessburg, South Africa*

Banking Sector

Achievements/Tasks

- I experienced the complexities of working with messy, real-world data, learning the importance of meticulous data cleaning and pre-processing.
- Applied a structured approach to data analysis, including hypothesis formulation, feature selection, and alignment with Bayesian statistics.
- Developed skills in framing data insights for non-technical stakeholders, enhancing their understanding and decision-making.
- Gained knowledge in graph analysis, correspondent banking, and anomaly detection methods like isolation forest.
- Fraudulent Graph Analysis and Client Networking
- Improved ability to analyze complex datasets, providing actionable insights and recommendations.

SKILLS

Python · Machine Learning · SQL · R · Data Wrangling · Data Visualization · Statistical Analysis · Advanced Excel · Stata · SAS · PowerBi · Stata · Effective Communication · Problem-solving · Analytical thinking · Adaptability · Attention to detail · Critical Thinking · Team Collaboration · Banking Knowledge · Decision Making · Stress Tolerance

PERSONAL PROJECTS

Bank Customer Segmentation
(07/2024 - 07/2024)

- Tools : unsupervised Learning, KMeans clustering, PCA, EDA, and reporting.
- Segmented bank customers to identify high-value clients and tailor marketing strategies.
- Increased customer retention by 10% through targeted marketing campaigns.

Student Performance Prediction
(07/2024 - 07/2024)

- Tools: Numpy, Data Wrangling, Seaborn, Grid Search, StandardScaler, Cross Validation, and Regression Estimators.
- Analyzed student performance data to identify key factors influencing academic success.
- Improved prediction accuracy by 15% through optimized regression models.

CERTIFICATES

Introduction to Machine Learning
(05/2024 - 05/2024)

Kaggle

Tata Data Visualisation and Presentation
(10/2022 - 10/2022)

Forage