Jason Erasmus

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Summary

Enthusiastic and dedicated Junior Data Scientist with a B.Sc. in IT (overall average of 82.15%). Passionate about leveraging data to drive insightful decision-making and equipped with a solid foundation in programming and statistical analysis. Hands-on experience gained through academic and personal projects as well as coursework involving Python, SQL, and Power BI. Eager to apply analytical skills and technical expertise to solve complex problems and contribute to data-driven initiatives.

Education

Bachelor of Science in Information Technology (BSc IT) Jan 2022 – Dec 2024

North-West University (NWU)

Courses:

- Data Analytics
- Advanced Databases
- Descriptive Statistics
- Decision Support Systems
- Artificial Intelligence
- Data Structures & Algorithms
- Object-Orientated Programming
- Apps & Advanced User Interface

Skills

Technical Skills

Languages: Python (Pandas, NumPy, SciPy, Matplotlib), SQL (SQL Server, MySQL, PostgreSQL, Oracle), R (tidyverse, ggplot2, dplyr, caret), C#, Java

Technologies: Microsoft Power BI, Excel, GitHub, Git, .NET, ASP.NET

Soft Skills

Problem Solving	Communication	Teamwork	Leadership
Continuous Learning	Critical Thinking	Creativity	Time Management
Adaptability	Motivated	Diligent	Attention to Detail

Projects

- **Shop Sales Analysis**
  - Developed a Python-based analysis for Maven Roasters, a hypothetical coffee shop chain.
  - Analysed 149,116 transactions across 18 columns to uncover customer behaviour, product preferences, and sales trends.
  - Identified patterns and opportunities to optimize sales strategies, enhance operational efficiency, and improve customer satisfaction.

- Provided actionable recommendations based on transaction volumes, product performance, and temporal sales trends. (Click here to see the analysis)

- **Historical Importance of Handwashing**
  - Conducted a Python-based study on 19th-century maternal mortality rates before and after Dr. Ignaz Semmelweis' handwashing practices.
  - Created charts comparing mortality rates between clinics and over time.
  - Applied bootstrap analysis to quantify the impact of handwashing, showing a significant reduction in death rates from childbed fever.
  - Validated Semmelweis' pioneering hygiene practices. (Click here to see the analysis)

Employment History

Currently seeking first professional role.

Certifications

For verification and additional details, please visit my LinkedIn profile.

- freeCodeCamp: Data Analysis with Python
- freeCodeCamp & Microsoft: Foundational C# with Microsoft