

Siphiwe Matjene

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Education

North West University

Vanderbijlpark, GP

- Bsc in Computer & Mathematical Science

Relevant Courses

- | | | | |
|----------|------------------|----------------|--------------------|
| • Excel | • Data Analytics | • Database | • Data Structure |
| • Python | • SQL | • Econometrics | • Advance Calculus |

Experience

Atos SA

Sep/2021 - Nov/ 2022

Data Analytics intern

- **Data Analysis and Visualization** - Utilized Python libraries such as Pandas, NumPy, Seaborn and Matplotlib to manipulate and visualize data. To create informative charts, graphs, and reports to communicate findings for managerial action and strategy.
- **Statistical Analysis** - Utilized statistical methods to analyze datasets and draw meaningful conclusions. Perform **hypothesis testing**, **regression** analysis, and other statistical techniques.
- **Data Cleaning and Preprocessing** - Clean and preprocess raw data to ensure it's suitable for analysis. Handle missing data, outliers, and other data quality issues.
- **Proficient SQL Skills** - Retrieve and manipulate data stored in relational databases using SQL queries. Work with databases to extract relevant information for analysis.
- **Proposed** solutions to improve system efficiencies and reduce total expenses

Projects

Ecommerce – Linear Regression

- Build **Linear Regression model** on Ecommerce datasets to determine if the company should focus on mobile App or Website, used preprocessing technique to clean the data
- Training and Testing the data to fit in the model
- Predicting the Test Data and Evaluating the model

Advertising - Logistic Regression

- Built a **Logistic Regression** in sklearn library for **Advertising** datasets to determine if the internet user will click on the Advertisement ads.
- Performed data cleaning, using preprocessing technique
- Trained and Tested the Data to fit in a model
- Creating Classification report and confusion matrix

Technical Skills

Languages: Python, SQL, Java, HTML/CSS, JavaScript

Developer Tools: Jupyter Notebook, pgAdmin4, Vs Code, Pycharm, Google Cloud

Database and ML Libraries: PostgreSQL, MongoDB, Sklearn, Pandas, Seaborn, Matplotlib