

KATLEHO NYONI

PERSONAL INFORMATION

Email : eaglenyoni@gmail.com

Address : Bloemfontein, Free State

LinkedIn : [linkedin.com/in/katleho-nyoni/](https://www.linkedin.com/in/katleho-nyoni/)

GitHub : github.com/Katleho-Nyoni || github.com/Katleho-Nyoni/Projects

Contact No. : +27 62 130 1860

Access to WiFi

SKILLS

Computer Literacy(MS Office)

Presentation Skills.

Good Communication : Verbal and written

Problem Solving.

Time management

Team player and independent.

Attention to detail.

Curious.

TECHNICAL SKILLS

R Programming

Python

SQL

MATLAB

Advanced MS Excel

Power BI

ETL

EDUCATION

University of the Free State.

Bloemfontein, Free State

BSc in Mathematics and Mathematical Statistics

Feb 2022 – Dec 2024

Grade : Discontinued (3rd Year Statistics completed)

Phehellang Senior Secondary School. Parys, Free State

National Senior Certificate(NSC)

Jan 2019 – Nov 2019

Grade : Completed(2 distinctions)

LEADERSHIP

Phehellang Senior Secondary School. Parys, Free State

Head-boy(RCL President)

Jan 2018 – Jan 2019

As Head-boy & the President of the Representative Council of Learners(RCL), I was often required to attend meetings with my supervisor, team members & School Governing Body(SGB) to address problems facing learners as well as suggesting and implementing proposed strategies.

PROJECTS

Handling Missing Values | Data Manipulation

Multiple Imputation for the Bone Mineral Density(BMD) dataset

This analysis used the newly developed method called Multiple Imputation to handle incomplete/missing data. The imputed dataset can be used by Analysts to perform complete-case statistical & data analysis techniques. See [here](#).

Predictive Modelling

Forecasting the sales of Food and Beverages of South Africa

In this analysis, I fit the famous Autoregressive Integrated Moving Average(ARIMA) to the sales of the Food & Beverages dataset of South Africa then forecast the future sales. I further evaluate the accuracy and performance on the proposed model. See [here](#).

Creating a Database

Car Specs Database Creation

With an understanding of MS Access, I have created a database that stores information about the specs of a car so that an Analyst can perform Explanatory Data Analysis. The Access file(database) can be found [here](#). The database was also exported to an Excel file and made available for the public [here](#).

Interactive Dashboard

Finance Dashboard

I use the Finance sample data to generate an interactive dashboard using Power BI to deliver insights to the company and stakeholders. See [here](#).

Statistical Report

Employee's satisfaction

In this project I combine my statistical and data analysis skills by assessing the impact of educational background and gender on employee's satisfaction with their jobs. See [here](#).

Presentation

Dynamical System Presentation

Attached is my presentation that I submitted for one of the courses I'm doing. I explored the application of Dynamical Systems to understand behaviours of complex processes via the celebrated & powerful Threshold Autoregressive(TAR) models skills. The PowerPoint presentation can be found [here](#).