

KATLEHO NYONI


PERSONAL INFORMATION

 linkedin.com/in/katleho-nyoni/

 eaglenyoni@gmail.com

 github.com/Katleho-Nyoni

 South Africa

 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.

SOFTWARE

C++

Python

R Programming

MATLAB

Advanced MS Excel

Power BI

PostgreSQL

SQL

HTML

CSS

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.

EXPERIENCE

PROJECT BASED-EXPERIENCE

- ❖ **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](#).
- ❖ **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](#).
- ❖ **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](#).
- ❖ **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](#).
- ❖ **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](#).
- ❖ **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](#).