Mayowa Oyewumi
Python Data Science Enthusiast

A self-taught Python programmer committed to continuously improving my coding abilities, striving for excellence, and simply aiming to become the best.

mayorfele@gmail.com

08056091398

unilag, Yaba, Nigeria

linkedin.com/in/mayowa-oyewumi-0b184023a

github.com/Mayorfele

EDUCATION

Bsc Zoology
University Of Lagos
01/2020 - Present   *Lagos, Nigeria*

PERSONAL PROJECTS

Market Analysis and Search Engine Recommendation System (03/2024)

- **Objective**: Conducted comprehensive data analysis and built a search recommendation system using an Amazon e-commerce dataset to enhance user shopping experience.
- Developed a recommendation system that accurately suggested relevant products based on user search terms, improving user shopping experience.
- **Exploratory Data Analysis (EDA)** : Used descriptive statistics and visualizations to uncover trends and patterns, such as the distribution of discount percentages and actual prices.
- **Visualization** : Created bar charts and box plots to display the distribution of prices and product counts across various categories and subcategories.

Car Price Prediction Using Linear Regression

- **Objective**: Developed a linear regression model to predict car prices based on various car specifications and performance metrics.
- **Exploratory Data Analysis (EDA)** : Analyzed the distribution of car prices, identified relationships between independent variables and the target variable, and conducted feature engineering to improve model accuracy.
- **Visualization** : Used histograms, box plots, and bar charts to visualize data distributions and relationships between car attributes and prices.
- **Model Development** : Built a linear regression model to predict car prices. Conducted feature selection based on insights from EDA and evaluated model performance.
- **Technologies Used**: Python, Jupyter Lab, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Scikit-learn

Africa GDP Analysis (05/2024)

- **Objective** : Conducted comprehensive analytics operations on African GDP and population data from 2000 to 2022 to understand economic trends and disparities.
- **Feature Engineering** : Created the GDP per capita variable to provide a per-person economic measure.
- Produced comprehensive visualizations depicting economic disparities across African regions.
- **Results** : Provided tools for regional and national economic analysis, enabling detailed insights into GDP and population trends.

Sport Analysis: Premier league

- **Objective** : Analyzed EPL match data from the 1993/94 to 2017/18 seasons to uncover trends and provide valuable insights for teams, analysts, and fans.
- **Exploratory Data Analysis (EDA)** : Examined basic statistical summaries and developed various functions to rank teams based on different performance metrics
- **Results**: Provided detailed insights into team performance, offensive and defensive capabilities, and trends over 5 years of EPL data. Enabled users to quickly assess and compare team performance using various metrics and visualizations.
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SKILLS

Python Excel SQL Pandas Numpy
Seaborn Matplotlib Plotly Scikit learn
NLTK TensorFlow GANS RNN
RUST Writing clear and concise documentation
Effective collaboration in multidisciplinary teams
Interpreting complex analyses and models

LANGUAGES

English
Native or Bilingual Proficiency

German
Limited Working Proficiency

INTERESTS

Logic Conservation Sports Movies Podcast classic literatures Programming Tech news/updates