

Zuwa Ojefua *Data Scientist*

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Profile

Experienced data professional skilled in extracting value from data through Python, SQL, and Tableau. Passionate about finding patterns and communicating insights to stakeholders with expertise in data wrangling, visualization, predictive modeling, and machine learning. Detail oriented and eager to solve problems using new tools or perfecting old ones.

Technical Skills

Applications & Tools: Microsoft Excel, Google Workspace, Tableau, Jupyter, VS Code, RDBMS, SQLite, PostgreSQL

Languages: SQL, Python, Java, FORTRAN

Projects

Mid-Term LHL Project

Tools: Python, Matplotlib, Tableau, Scikit-Learn | Algorithm: OLS Multivariate Regression

Goal: Build visualizations and model to estimate Happiness Score across countries.

Dataset: World Happiness Report 2015 - 2023

Results: Final model was able to show that around 76% of the variability in Happiness Score across countries can be explained by the independent variables.

Statistical Modelling Project

Tools: Python, Matplotlib | Algorithm: OLS Univariate and Multivariate Regression Models

Goal: To estimate availability of bikes at bike stations in a city.

Dataset: CityBikes API for bike station data, Yelp and Foursquare APIs for points of interest (POI) data.

Results: Final multivariate model suggests that the features of the POIs have a statistically significant impact on the estimated number of bikes for a given station.

Education

Diploma in Data Science | Oct 2023

Lighthouse Labs

M.Sc. Nuclear Science | Jan 2015

University of Maiduguri, Nigeria | Degree certified by WES (2018)

B.Sc. Applied Geophysics | Nov 2006

Obafemi Awolowo University, Nigeria | Degree certified by WES (2018)

Work Experience

Taxpayer Services Agent | 2022 – 2023

Canada Revenue Agency | Calgary, AB

- Data Collection and analysis by tracking and analyzing call metrics and client feedback
- Accurately recorded client information while maintaining data integrity, demonstrating high attention to detail
- Analyzed over 200 support tickets per month to identify root causes and improve processes
- Resolved enquiries including payment reconciliation through research and analysis of taxpayer account data
- Developed automated Excel reports to track key metrics including ticket resolution times, reducing manual work by 50%
- Exercised strong verbal and written communication skills, and actively collaborated with team members and other departments.

Principal Scientific Officer | 2020 - 2022

CTBTO National Data Centre | Nigeria Atomic Energy Commission, Abuja

- Wrangled datasets from 150+ monitoring stations and performed exploratory analysis
- Optimized SQL queries to improve data access for team of 4 analysts
- Analyzed waveform and radionuclide data for nuclear test detection from 50+ nations using SeisComP, Geotool
- Authored 130+ weekly reports of national events for Comprehensive Nuclear-Test-Ban Treaty (CTBTO)