

Zuwa Ojefua *Data Analyst*

✉ ngzuwa@gmail.com ☎ 587 585 7181 📍 Calgary, AB in LinkedIn 🐙 Github

Profile

Experienced data analyst looking to transition to data science, 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: Excel, Numpy, Pandas, Scikit-Learn, Tableau, Jupyter, VS Code, RDBMS, SQLite, PostgreSQL, AWS
Languages: SQL, Python, Java, Fortran

Projects

Predicting CO2 Emissions 🔗

Tools: Python, Pandas, Seaborn, Matplotlib, Tableau, Scikit-Learn | Algorithm: XGBoost Regression

Goal: Build visualizations and model to predict CO2 emissions for any place of interest.

Dataset: CO2 emissions and population data for countries across the world

Results: Final model resulted in 98% of the variability in CO2 emissions across locations being explained by the independent variables with MSE of 0.008.

ML for Diabetes Diagnosis 🔗

Tools: Python, Pandas, Seaborn, Matplotlib, Scikit-Learn | Algorithms: SVM, Random Forest

Goal: Build model to predict the presence of diabetes in patients from a dataset of diagnostic measurements.

Dataset: 'Diabetes' dataset from the National Institute of Diabetes and Digestive and Kidney Diseases.

Results: Overall the Random Forest classifier resulted in the highest accuracy of 77% with a recall score of 66% which is crucial in this domain for detection of false negatives.

Education

Diploma in Data Science

Lighthouse Labs 🔗

10/2023

M.Sc. Nuclear Science

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

01/2015

B.Sc. Applied Geophysics

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

11/2006

Professional Experience

Taxpayer Services Agent

Canada Revenue Agency

2022 – 2023

Calgary, AB

- Developed Excel worksheet for data collection and analysis by tracking and analyzing call metrics and client feedback leading to 50% reduction in data entry time.
- 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 leading to 1 call resolution on every call taken.
- Exercised strong verbal and written communication skills, and actively collaborated with team members and other departments.

Principal Scientific Officer

Nigeria Atomic Energy Commission

2020 – 2022

CTBTO National Data
Centre, Abuja

- Wrangled datasets from 150+ monitoring stations and performed exploratory analysis for event detection
- 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 SeisCompP, Geotool
- Authored 130+ weekly reports of national events for Comprehensive Nuclear-Test-Ban Treaty (CTBTO)