

JEAN PAUL NDUWAYO NTORE

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Portfolio: <https://myportfolio-deploy.herokuapp.com/>

SUMMARY

Skilled Data Analyst offering 5+ years of progressive experience in the provision of data & statistical analysis/strategic research to solve challenging problems. Seeking continued career growth as a Data Analyst/Scientist/Statistician.

Technical Skills

Programming: R, SAS, SQL, Python, HTML, and CSS.

Databases: PostgreSQL, MongoDB, AWS, and SQLite.

Quantitative: Algebra and Mathematics, Data Analytics, Statistics, Survey Analysis, Text and Data Mining, Big Data, ETL, Data modeling, and Machine Learning.

Data Visualization: Tableau, Advanced Microsoft Excel, OBIEE Analytics, Plotly, and D3.js.

Survey Software: SurveyMonkey, and Qualtrics.

Professional Experience

Data Analyst

University of Arizona

2017– 2021

Tucson, AZ

Supported the University's goal of establishing a comprehensive data support infrastructure, analyzing data, and performing business intelligence analysis to assist department staff, administrators, faculty, and other personnel make more data-driven decisions.

Key Accomplishments:

- Pioneered the integration of R and SAS into SQL server via hard coding that resulted in 50% reduction of time needed to gather and analyze the data.
- Developed an autoregressive integrated moving average (ARIMA) model to forecast student enrollment. The model produced more accurate predictions compared to the previous model.
- Evaluated and mapped publicly available high school data sources from state and federal government databases. As a result, the school database was improved by gaining more crucial students' datasets that were used to develop a more robust data models to predict students' enrollment and success.

**Associate Data Analyst
Schweitzer Engineering Lab Inc.**

**2012– 2017
Pullman, WA**

Collecting and applying talent data to develop data-driven insights to inform talent decisions, improve workforce processes and promote positive employee experience. Furthermore, my role entailed my peers training on statistical procedure to improve data collection, analysis, and interpretation for more efficient research and reporting.

Key Accomplishments:

- Initiated the use of Stata to analyze the survey data, this resulted in a 30% reduction of time needed to analyze the survey and allowed a timely result report.
- Developed comprehensive performance indicators; metrics-for-hire; and employee evaluation metrics that led to a 10% reduction in employee turnover.
- Collected, analyzed, and summarized employees' sentiments to make recommendations to the managerial team for more efficient and informed decision making.

Projects

Pewlett-Hackrd-Analysis | <https://github.com/ntorenduwayo/Pewlett-Hackard-Analysis>

Technologies Used: SQL, and QuickDBD.

- Created a Database schema with QuickDBD and applied it as a blueprint to describe how the data relate to other tables or data models.
- Built a Database in PostgreSQL/pgAdmin to store, maintain, and access the data.
- Employed ETL process to create data tables in the database.
- Tested and tuned the database performance to make sure of its efficiency.
- Queried the database about eligible employees for retirement in the company.

World weather Analysis | [https://github.com/ntorenduwayo/World Weather Analysis](https://github.com/ntorenduwayo/World_Weather_Analysis)

Technologies Used: Jupyter Notebook, Python, and Google Map and OpenWeatherMap's API keys.

- Built a World Weather Database, where I stored world weather data, and cities' locations using OpenWeatherMap API key.
- Created scatter plots to investigate the effect of latitude on the different weather parameters.
- Produced a Travel Itinerary Map.
- Created a Customer Travel Destinations Map.

Prestige Rating Model | <https://github.com/ntorenduwayo/Prestige-Rating>

Model Website: <https://multiple-regression-app.herokuapp.com/>

Technologies Used: R, Shiny R, and Heroku.

- Summarized the data with descriptive statistics.
- Developed a Multiple Linear Regression model: Variable screening, checking the model adequacy and model assumptions, and validating the model.
- Built a dynamic dashboard and charts to show the model characteristics and visualize it respectively.
- Launched the model website by combining the power of Shiny R, and Heroku.

Education

University of Arizona – Tucson, AZ | Data Analytics Certificate
06/2022

- A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

University of Pennsylvania – Philadelphia, PA | People's Analytics Certificate
11/2016

- A 4-week intensive data-driven program focused on how to manage people at work: make decisions about people based on deep analysis of data rather than the traditional methods of personal relationships.

University of Idaho – Moscow, ID | M.S. in Statistics
05/2012

Sokoine University of Morogoro – Morogoro, Tanzania | B.S. in Forestry
08/1995

Miscellaneous

Language: English, French, Swahili, Kinyarwanda, and Kirundi.