

JEAN PAUL NDUWAYO NTORE, M.S. in Statistical Science

CONTACT

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SKILLS

Quantitative

- ✓ Algebra and Mathematics
- ✓ Data Analytics: Descriptive, Diagnostics, Predictive, and Prescriptive Analytics
- ✓ Statistical Data Distribution
- ✓ Parametric and Non-Parametric Statistics: Regression, Multivariate Analysis
- ✓ Hypothesis Testing: T-test, F-test, Chi Square Test, ANOVA, Wilcoxon test, Friedman Test.
- ✓ Probability and Bayesian statistics
- ✓ Machine Learning
- ✓ Data Visualization
- ✓ Interview, Focus Groups
- ✓ Survey Analysis & Text Mining

Computing

- ✓ **Statistical software:** R, SAS, Pandas, Python, SPSS, HTML
- ✓ **Visualization:** Tableau, Advanced Microsoft Excel, OBIEE Analytics, Plotly, D3.js
- ✓ **Database:** SQL, SQLite, and MongoDB
- ✓ **Survey software:** SurveyMonkey, Qualtrics

EDUCATION

M.S. Statistical Science

University of Idaho, Moscow, ID, 2012

B.S. Forestry

Sokoine University of Agriculture, Morogoro, TZ 1995

LANGUAGE

Fluent in English, French, Swahili, Kinyarwanda, and Kirundi

PROFESSIONAL SUMMARY

Knowledgeable **Data Analyst** offering 5+ years of progressive experience in the provision of data & statistical analysis/strategic research to solve challenging problems in both private and public sectors. Seeking continued career growth as a **Statistician** to employ computing, quantitative, and qualitative skills to support an institution leveraging cutting-edge technologies.

PROFESSIONAL EXPERIENCE

Student Data Analysis Coding Bootcamp

University of Arizona (UA), Tucson, AZ, USA 12/2021 – Present

Data Analyst

University Analytics & Institutional Research (UAIR), Tucson, AZ, USA 06/2017 – 01/2021

- Pursued statistical analysis projects using data modeling, regression, PCA, factor analysis, clustering techniques, probability distribution fitting, and machine learning through R programming and SAS.
- Built and maintained SQL scripts, indexes, and complex queries for faculty and students' data analysis and extraction.
- Created dashboards using OBIEE analytics, Excel, SAS, or R to compile and organize data for presentation to university stakeholders and partners.
- **Achievements / Contributions:**
 - ✓ 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.

Associate Data Analyst

Schweitzer Engineering Lab Inc., Pullman, WA, USA 09/2012 – 06/2017

- Provided statistical expertise to the *Human Resources* department.
- Collected, managed, and analyzed data, and recommended key performance indicators to the company executives.
- Mined quantitative and qualitative data from sources like PeopleSoft using SQL, Excel, and R language.
- Trained and mentored staff on survey data collection and analysis.
- Organized and managed focus groups to gather employees' opinions on organization policies, which I used to generate employee surveys in Qualtrics and Survey Monkey.
- **Achievements / Contributions:**
 - ✓ Initiated the use of Stata to analyze the survey data, this resulted in a 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.
 - ✓ Completed People Analytics certification in 3 months.