DAMILOLA RUKAYAT OWOADE

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EDUCATION

University of Louisville — Louisville, KY
Ph.D. in Epidemiology — Expected August 2023

Texas Tech University, Rawls College of Business — Lubbock, TX
Master of Science in Data Science — May 2020

Texas Tech University Health Sciences Center — Lubbock, TX
Master of Public Health — May 2019

Babcock University — Ilishan-Remo, Nigeria
Bachelor of Science in Microbiology — June 2014

RELEVANT COURSEWORK

Data mining, Epidemiology, Statistics, Database Concepts, Predictive Analytics, BI

PROJECTS

Breast Cancer | Python

- Implemented algorithms to predict breast cancer tumors as benign or malignant by pre-processing the data and training the model using Naïve Bayes, KNN, Logistic Regression, and Random Forest. The prediction accuracy was up to 98.6%.

Time series analysis | R

- Forecasted covid-19 cases in the US for the next seven months using linear regression, Holt's Exponential Smoothing, and ARIMA. Based on MAPE, linear regression model with a test set error of 10.8% was better than other models.

EXPERIENCE

University of Louisville, Department of Epidemiology — Louisville, KY
Graduate Assistant/ Teaching Assistant — September 2021 – Present

- Utilize R to clean and analyze datasets. Create analysis reports and communicate results to researchers.

Texas Tech University Health Sciences Center, Department of Public Health — Lubbock, TX
Graduate Assistant — May 2018 – May 2019

- Conducted literature searches and analyzed data in SPSS for academic papers.
- Organized review sessions for students and assigned questions to assess students' progress.

Department of State Health Services, Public Health Region 1 — Lubbock, TX
Intern — September 2018 – November 2018

- Performed an update on the organization's data warehousing technique including data segmentation in excel, resulting in a 20% increase in usability for non-technical staff members.
- Assessed a department-specific project on human/sex trafficking by developing an evaluation and tracking tool for stakeholders attending human trafficking outreaches.

SKILLS

Programming Languages: R, Python, MySQL
Machine Learning: Supervised learning, Dimension reduction (PCA), Exploratory factor analysis
Statistical Modeling: Hypothesis testing, regression analysis