Julius Olaifa

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Education

Oklahoma State University **Sep. 2019 – May. 2023**
Doctor of Philosophy in Statistics *Stillwater, Oklahoma*

Oklahoma State University **Sep. 2019 – Dec. 2021**
Masters of Science in Statistics *Stillwater, Oklahoma*

University of Ilorin **Oct. 2008 – May. 2012**
Bachelor of Science in Statistics *Ilorin, Kwara, Nigeria*

Relevant Coursework

- Probability
- Big Data
- Statistical Inference
- Multivariate Analysis
- Statistical Computing
- Linear Model
- Machine Learning
- Design and Analysis of Experiments
- Computer Programming I & II
- Big Data

Experience

Oklahoma State University **Aug. 2019 – Present**
Graduate Teaching Assistant *Stillwater, Oklahoma*

- Taught Elementary Statistics to students in the life science.
- Worked at the Statistical Learning and Instruction Center (SLIC) to help Non - Statistics major students with their statistics and programming problems.

Kwara State University **Sep. 2016 – Aug. 2019**
Assistant Lecturer *Malete, Kwara, Nigeria*

- Taught various undergraduate statistics courses, e.g Analysis of Variance, Psychometrics, Probability using R statistical software.
- Supervised undergraduate project work on three parameter Item Response model, and fitting Negative Binomial model to over-dispersed count data.
- Collaborated with Non-Statisticians to analyze various biological and agricultural datasets.

Research

- W.B Yahya, **J.B Olaifa** *(2014)* A note on ridge regression modeling techniques. *Electronic Journal of Applied Statistical Analysis. Vol.,7 No.2*

Projects

Natural Language Processing | *Python, Sentiment Analysis* **March 2021**

- Developed an automatic classifier of customer reviews using the *BERT* transformer models which helps business manage customer's feedback effectively.
- Built a Question Generation API using the T5 transformer model.

Computer Vision | *Python, Image Classification* **October 2020**

- Built a Deep Learning model for detecting blood cell types using transfer learning.

Statistics | *R, GLMM, LRT, FWER* **January 2021**

- Derived and implemented a generalized linear mixed model based estimator for heritability score.
- Derived a Likelihood ratio test for identifying outliers in predictive models.
- Compared the performances of various methods for controlling family-wise error and false discovery rate in multiple hypothesis testing. samples.

Technical Skills

Programming Languages: Python, R, SAS, Java, C++
Distributed & Parallel Computing: Spark
Database Query Language: SQL, MongoDB
Data Visualization: Tableau

Mooc Certifications

Cousera's Natural Language Processing Specialization
University of Helsinki Java Programming MOOC