

James Daniel, Ph.D

CONTACT INFORMATION	Physical Address:	Department of Mathematics and Statistics Redeemer University, Ede, Nigeria
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	Personal Website:	https://www.jamesdan.com
	Linkedin Profile:	https://www.linkedin.com/in/jamesdan
EDUCATION	Federal University of Technology, Akure , Akure, Ondo state, Nigeria.	
	Ph.D., Statistics,	20/12/2023
	<ul style="list-style-type: none">• Dissertation Title: <i>Development of Some Block Bootstrap Methods with Better Elements' Representation for Forecasting in ARIMA Models</i>• Supervisor: Prof. Kayode Ayinde	
	University of Ilorin, Ilorin , Ilorin, Kwara state, Nigeria.	
	M.Sc., Statistics,	29/09/2017
	<ul style="list-style-type: none">• Dissertation Title: <i>A Bootstrap Method for Box-Jenkins Models With Application on Brent Crude Oil Prices Per Barrel</i>• Supervisor: Prof. Adebawale O. Adejumo	
	Nnamdi Azikiwe University, Akwa , Akwa, Anambra State, Nigeria.	
	PGD., Statistics,	2014
	Institute of Technology, Enugu , Enugu, Enugu State, Nigeria.	
	HND., Statistics,	2008
PROFESSIONAL EMPLOYMENT	Principal Statistician	Jan. 01, 2022 - Present
	Department of Field and Methodology, National Bureau of Statistics, Ilorin Office, Ilorin, Nigeria.	
	Principal Statistical Extension Officer II (PSEO)	Jan. 01 2019 - Dec. 31, 2021
	Department of Field and Methodology, National Bureau of Statistics, Ilorin Office, Ilorin, Nigeria.	
	Senior Statistical Extension Officer (SSEO)	Jan. 01 2016 - Dec. 31, 2018
	Department of Field and Methodology, National Bureau of Statistics, Ilorin Office, Ilorin, Nigeria.	
	Statistical Extension Officer (SEO)	Mar. 01 2012 - Dec. 31, 2015
	Department of Field and Methodology, National Bureau of Statistics, Ilorin Office, Ilorin, Nigeria.	
	Junior Statistician	2010 - 2011
	General & Industrial Insurance, Victoria Island, Lagos, Lagos State, Nigeria.	

INTERNSHIP

Data Analytics Intern, Novartis Holding AG June 2023 - September 2023 (Internship Program)

- (Data Cleaning) Pre-processed the Geographic Atrophy Treatment Evaluation (GATE) data to remove inconsistencies, errors, and missing values to ensure accuracy and reliability for analysis using R Programming.
- (Report Writing) Helping prepare reports and presentations that summarize findings and recommendations based on data analysis.
- (Model Building) Construct a Linear mixed effects model with random effects on each eye, and fixed effect on baseline covariates (predictive factors) of the Geographic Atrophy Treatment Evaluation (GATE) data using R programming to determine the natural progression of Geographic Atrophy Lesion growth.
- (Research) Conducting literature reviews and staying updated on the latest trends and techniques in Geographic Atrophy secondary to Age-related macular degeneration and pharmaceutical research.

TEACHING EXPERIENCES

Redeemer's University, Ede, Nigeria: 2022 - Present (Adjunct Lecturer I)

- (Teaching) Delivering Lectures on Data Science courses both remotely and on-site to students of varying levels.
- (Teaching) Delivering Lectures on machine learning courses both remotely and on-site to students of varying levels.
- (Hand-on Project Guidance) Guide students through hands-on projects and provide feedback on coding assignments.
- (Thesis Supervision) Supervise and mentor Bachelor of Sciences, and Master of Science degree students.

Aptech Computer Technology Education, Osogbo, Nigeria: Adjunct Professor 2019 - Present

- (Teaching) Delivering Lectures on Data Science courses both remotely and on-site to students of varying levels.
- (Hand-on Project Guidance) Guide students through hands-on projects and provide feedback on coding assignments.
- (Virtual Classroom instruction) Leverage online platforms and remote teaching tools for virtual classroom instruction.
- (In-Person Training) Conduct in-person training sessions and workshops at the institution's learning centers.
- (up-to-Date R Development) Stay up-to-date with the latest developments and best practices in R programming.

National Bureau of Statistics, Ilorin Office, Ilorin, Nigeria: 2019 - 2023

- (Capacity Building) Training and mentoring junior statisticians and other staff members in statistical methodologies and best practices.

Government Science Secondary School, Jamaare, Jamaare, Bauchi-State, Nigeria: 2009 - 2010

- Teaching Mathematics and Statistics for O-level School
- Responsible for preparing lectures and exams, grading and holding office hours

ACADEMIC AND ADMINISTRATIVE POSITIONS HELD

1. (Curriculum Design) Develop curriculum and course materials covering R/Python basics, data manipulation, visualization, statistical modeling, and advanced topics.
2. **Industrial Training Supervisor** 2016 - 2018
National Bureau of Statistics, Kwara State Office, Ilorin, Nigeria.
3. **Corper Liason Officer** 2009 - 2010
National Youth Service Corps (NYSC),
Bauchi State, Nigeria.

REFEREED JOURNAL PUBLICATIONS

- Optimised block bootstrap: an efficient variant of circular block bootstrap method with application to South African economic time series data, AIMS Mathematics - Vol.9, January 2024
- Analyzing Nigeria Monthly Consumer Price Index Using the ARIMA Model, Asian Research Journal of Mathematics - Vol.21, January 2025
- An Exploration of Nigerian Exchange Rate Using ARIMA Model, Asian Journal of Probability and Statistics - Vol.21, January 2025
- Application of Polar Coordinates in the Summation of the Gaussian Distribution, Reliability: Theory & Applications - Vol.19, June 2024
- Moving Block Bootstrap Method with Better Elements Representation for Univariate Time Series Data, Reliability: Theory & Applications - Vol.18, September 2023
- Time Series Analysis of All Shares Index of Nigerian Stock Exchange: A Box-Jenkins Approach, International Journal of Sciences - Volume 5
- A Bootstrap Method for Box-Jenkins Models with Application on Brent Crude Oil Prices per Barrel, The Pacific Journal of Science and Technology, Volume 18
- Time Series Analysis of Brent Crude Oil Prices Per Barrel: A Box-Jenkins Approach, Annals of Computer Science Series. 17th Tome 1st Fasc.

PUBLISHED SOFTWARE

- OBL: Optimum Block Length for Bootstrap Methods, CRAN: Comprehensive Archive Network - version 0.1.0- version 0.2.1, June 2024
- OBL: Optimum Block Length for Bootstrap Methods, CRAN: Comprehensive Archive Network - version 0.1.0- version 0.1.0, June 2023

WORKSHOPS ATTENDED	<ul style="list-style-type: none"> • Foundation Postgraduate Course on Time Series Analysis & Application, held at National Mathematics Centre, Abuja, 15th - 27th October, 2023. • Foundation Postgraduate Course on Multivariate Statistics and Advance Research Methods, held at the National Mathematical Centre, Abuja, 3rd - 15th December, 2023.
PROFESSIONAL MEMBERSHIP	<ul style="list-style-type: none"> • Member, Nigerian Statistical Association
COMPUTER SKILLS	<ul style="list-style-type: none"> • Basics: MS Word, MS Excel, Power-Point • Programming Language: \LaTeX Python, R,
TECHNICAL SKILLS	<ul style="list-style-type: none"> • Programming Language: \LaTeX Python, R, • Version Control: Git, GitHub
ACADEMIC RESEARCH LINKS	<ul style="list-style-type: none"> • Scopus: https://www.scopus.com/authid/detail.uri?authorId=5698223345707 • Research Gate: https://www.researchgate.net/profile/James-Daniel-3/research • Google Scholar: https://scholar.google.com/citations?hl=en&user=OBCwRh0AAAAJ • ORCID: https://orcid.org/0000-0003-1063-9927 • Scopus: https://www.scopus.com/authid/detail.uri?authorId=5698223345707 • GitHub Account: https://github.com/sta189332
WORKING LANGUAGE	English Language
SERVICE AND ACTIVITY	<ul style="list-style-type: none"> • Reviewer to Peer Review Journals <ol style="list-style-type: none"> 1. Unified Publishers Journal of Statistics
COMMUNITY SERVICE	<ul style="list-style-type: none"> • Member of Red Cross, Ilorin, Nigeria
WORK IN PROGRESS	<ul style="list-style-type: none"> • Textbooks: <ol style="list-style-type: none"> 1. Operations Research: Principles and Applications (in progress) <ul style="list-style-type: none"> - A comprehensive textbook covering the fundamental principles and applications of operations research. Focuses on optimization, stochastic models, and decision analysis with real-world case studies. 2. Statistical Inference and Probability Theory (in progress) <ul style="list-style-type: none"> - An in-depth exploration of statistical inference and probability theory, designed to bridge the gap between theoretical concepts and practical applications. Includes extensive examples and exercises to enhance learning. • Academic Journals: <ol style="list-style-type: none"> 1. A Class of Block Bootstrap Methods (under review)

- Development of a new class of block bootstrap methods for dependent data structures. The proposed methods aim to improve accuracy and efficiency in statistical inference for time series data.

2. Linear Application of Mixed-Effect Models on an Eye Condition
(manuscript in preparation)

- Investigation into the application of linear mixed-effect models to analyze clinical data related to a specific eye condition. This study aims to identify significant predictors and improve patient outcomes through advanced statistical modeling.

3. Using a Family of GARCH Models to Solve a Time Series Problem: (submitted)

- Application of various Generalized Autoregressive Conditional Heteroskedasticity (GARCH) models to address volatility clustering in financial time series data. The study compares the performance of different GARCH family models in predicting future market trends.

REFERENCES

Dr Adewale Folaranmi LUKMAN

Department of Mathematics,
University North Dakota
Grand Forks, North Dakota State, United States.

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Prof. Kayode Ayinde

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