MORUF PELUMI NOFIU

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EDUCATION

UNIVERSITY OF NIGERIA NSUKKA, NIGERIA   **2018 – 2023**
Program: **Bachelor of Science**, Education/Mathematics
Grade: **First Class (Honors)** – 4.88/5.00
Class Rank: **Top 1%**
Undergraduate Thesis: **"*STATISTICAL ANALYSIS OF STUDENTS' ACADEMIC PERFORMANCE IN WAEC & NECO OF SS3 MATHEMATICS STUDENTS IN EDUCATION DISTRICT III, LAGOS"***
Supervisor: **Fadiji Ademola Adeniyi, Mr.**

RESEARCH INTERESTS

- Advanced Statistical Methods and Machine learning
- Gender Disparities
- Intervention Strategies
- Curriculum Analysis
- Teacher Quality
- Parental Involvement

RESEARCH EXPERIENCE

Research Assistant   **University of Nigeria**
Research Contributions and Methodologies   **July 2022 – March 2023**

- Conducted research under the supervision of **Fadiji Ademola Adeniyi, Mr.** for my undergraduate thesis on *"STATISTICAL ANALYSIS OF STUDENTS' ACADEMIC PERFORMANCE IN WAEC & NECO OF SS3 MATHEMATICS STUDENTS IN EDUCATION DISTRICT III, LAGOS."*
- Statistical Analysis of Academic Performance: Conducted in-depth statistical analysis comparing students' performance on WAEC and NECO SSCE in Mathematics, examining trends and performance discrepancies over a 21-year period.
- Evaluation of Examination Bodies: Analyzed the effectiveness and credibility of WAEC and NECO as examination bodies, including the assessment of their impact on students' academic outcomes.
- Gender-Based Performance Analysis: Investigated gender differences in mathematics performance within the WAEC and NECO frameworks, identifying patterns and significant relationships.
- Development of Diagnostic Tools: Contributed to the development of diagnostic assessments for evaluating students' readiness and process errors in mathematics, including the creation of a Math Readiness Test (MATHRET) for senior secondary school students.
- Theoretical Framework Application: Applied Grossberg's Adaptive Resonance Theory and McClelland's Achievement Theory to analyze and interpret student performance data, integrating psychological and educational theories to support research findings.

TEACHING EXPERIENCE

Academic Tutor   **January 2018 – Present**
Founder and Lead Instructor at Peldarg Academy

- Comprehensive Courses: Developed and delivered a wide range of tech courses in programming, data science, cybersecurity, and more, catering to both beginners and industry professionals.
- Teaching and Mentorship: Provided in-depth instruction in Python, R, and SQL, along with mentorship sessions covering various tech disciplines.
- Global Impact: Fostered a collaborative and inclusive virtual classroom environment, enabling students from diverse locations, to learn and innovate together.
- Created and graded quizzes and exams to assess students' understanding of the material.
- Provided individualized feedback to students to help them improve their understanding of the subject.

Academic Tutor   **January 2018 – Present**
Mathematics Education Students' Society, University of Nigeria Nsukka, Nigeria

- Tutored my colleagues in Elementary Mathematics.
- Tutored fourth-year undergraduate students in Abstract Algebra.
- Tutored third-year undergraduate students in Dynamics of Rigid Body.
- Delivered interactive lectures and hands-on exercises to help students understand complex concepts.
- Created and graded quizzes and exams to assess students' understanding of the material.
- Provided individualized feedback to students to help them improve their understanding of the subject.

Academic Tutor   **July 2015 – Nov 2018**
Saint Patrick Grammar School
- Taught mathematics and physics to high school students for their General Certificate Examination (GCE).
- Taught first-year students Applied Mathematics.
- Taught second-year students Mechanics of Materials and Fluid Mechanics.
- Developed lesson plans and curriculum to cover the material effectively.
- Encouraged students to engage in group work and discussions to develop critical thinking.

WORK EXPERIENCE

Risk Control Services Nigeria Limited   **May 2024 – Present**
Data Scientist and Technical Support · Internship
- Data Analysis and Research: Conduct comprehensive research on Nigeria's risk index, gathering and analyzing data from various online sources to inform risk assessment strategies.
- Technical Support: Provide technical support across the company, troubleshooting and resolving issues to ensure smooth operations.
- Data Entry: Manage data entry tasks, ensuring accuracy and reliability of information used in risk assessments and reports.
- SharePoint Site Development: Developed a SharePoint site for the IT department to streamline internal processes and improve collaboration. View Project on GitHub.
- Automation with Power Automate: Implemented automation solutions using Microsoft Power Automate to streamline the money request process across the department, enhancing efficiency and reducing processing time. View Project on GitHub

Expert-Hive Freelance Services   **May 2024 – Present**
Data Scientist and Mathematics Tutor at Expert Hive
- Provided expert tutoring in mathematics, solving complex problems and assisting students in understanding difficult concepts.
- Utilized R and Python for data analysis, creating predictive models, and solving real-world problems.
- Conducted data cleaning and preprocessing to ensure high-quality data for analysis.
- Developed and implemented machine learning algorithms to provide data-driven insights.
- Created visualizations and dashboards using R (ggplot2, shiny) and Python (matplotlib, seaborn) to communicate data findings effectively.
- Engaged in continuous learning to stay updated with the latest developments in data science and mathematics education.

TechProsNaija Nigeria · Remote   **February 2024 – May 2024**
Data Analyst Instructor · Contract
- Provide comprehensive instruction using engaging visual aids and real-life scenarios to enhance the learning experience.
- Utilize a highly effective teaching approach to deliver remote education.
- Taught key Data Analysis concepts including data cleaning, data visualization, statistical analysis, and the use of tools such as Python, R, SQL, and Microsoft Excel.

Excelerate India · Remote   **August 2023 – April 2024**
Data Analytics Intern
- Collected, analyzed, and visualized data, generating actionable reports.
- Collaborated with cross-functional teams to drive data-driven decisions.
- Created basic predictive models to forecast trends and outcomes.
- Ensured ethical data handling and maintained data integrity.
- Developed strong Excel proficiency for data manipulation, pivot tables, and formula-driven insights.
- Created compelling visualizations, including charts, graphs, and dashboards, translating complex data into clear narratives for stakeholders.
- Presented findings that influenced business strategies.
- Stayed updated with industry trends to enhance problem-solving skills.

Urbansgem Lifestyle   **Jan 2021 – Present**
Web Developer and Digital Marketer
- Built and managed an e-commerce web store on Shopify, enhancing the online shopping experience for customers.
- Developed and executed digital marketing strategies on Instagram and Facebook, resulting in increased brand visibility and sales.
- Monitored ad performance and optimized campaigns to maximize ROI.
- Collaborated with the team to attend trade fairs, promoting products and networking with potential clients.
- Stayed updated with industry trends to enhance problem-solving skills.

CONFERENCE PRESENTATIONS/PROFESSIONAL TRIPS

Third Edition of the MATHFOM National Conference   **August 2023**

Theme: Mathematics Education in Nigeria: Problems and Prospects

Hosted by: Mathfom Development Society, an academic and non-profit association.

Speaker of the Day: Professor Yara Philias Olatunde, Professor of Mathematics Education, Lead City University, Ibadan.

Role: Active Participant

- Details: Read the profile of Professor Yara Philias Olatunde before his presentation.
- Engaged in: Discussions and sessions focused on the challenges and future directions of mathematics education in Nigeria.

CERTIFICATIONS/PROFESSIONAL TRAINING/ONLINE COURSES

FINANCIAL EDUCATION KUDIMATA NIG LIMITED | via NYSC   **June 2024**

- Financial Analysis: Proficiency in evaluating financial data, identifying trends, and making data-driven decisions to improve financial performance.
- Financial Planning: Ability to develop comprehensive financial plans, including budgeting, forecasting, and investment strategies to meet long-term financial goals.
- Finance Management: Skills in managing financial resources efficiently, optimizing investments, and understanding financial statements to support strategic decision-making.
- Educational Strategies in Finance: Expertise in delivering financial education and training, designing effective learning materials, and facilitating financial literacy programs for diverse audiences.

Google Data Analytics Specialization | via Coursera   **May 2024**

- Data Analysis and Statistical Modeling: Expertise in using statistical methods and models to analyze data, uncover insights, and make data-driven decisions. Proficient in tools like R and Python for advanced data analysis and statistical modeling.
- Data Cleaning and Preparation: Skilled in cleaning and transforming raw data into a structured format, ensuring accuracy and quality for further analysis. Proficient in handling missing data, outliers, and data normalization.
- Data Visualization and Communication: Ability to create compelling data visualizations and effectively communicate findings to stakeholders. Experienced in using visualization tools and techniques to present data insights clearly and impactfully.
- Database Management and Teamwork: Knowledgeable in managing and querying databases, and adept at working collaboratively with teams to solve complex data challenges and achieve project goals.

Intermediate Python developer | via DATACAMP   **January 2024**

- Advanced Python Programming: Proficiency in intermediate-level Python programming, including advanced data structures, functions, and libraries for developing efficient and scalable code.
- Data Analysis and Manipulation: Skills in using Python libraries such as Pandas, NumPy, and Matplotlib for data analysis, manipulation, and visualization, enabling you to extract valuable insights from complex datasets.
- Data Science Techniques: Application of data science principles using Python, including statistical analysis, predictive modeling, and machine learning algorithms to solve real-world problems and make data-driven decisions.

Introduction to Python Programming Course | via Dataquest.io   **November 2023**

- Fundamental Python Programming: Understanding of basic Python syntax, data types, and control structures, providing a solid foundation for writing efficient and functional Python code.
- Data Manipulation and Analysis: Introduction to using Python for data manipulation and analysis with core libraries such as Pandas, enabling effective handling and processing of data.

- Problem-Solving with Python: Skills in applying Python to solve fundamental programming problems and create simple scripts, enhancing your ability to tackle more complex programming challenges in the future.

Data Science with Python Programming Language | via [Ingryd Academy](#)   **November 2023**
- Data Cleaning and Processing: Expertise in using Python libraries such as pandas, numpy, and scipy to clean, process, and prepare data for analysis.
- Data Visualization: Skills in creating detailed and insightful visualizations using Python libraries like matplotlib, seaborn, and plotly to effectively communicate data insights.
- SQL and Database Management: Proficiency in writing SQL queries to access, manipulate, and analyze data from various databases, enhancing data retrieval and management capabilities.
- Machine Learning: Experience in building, training, and evaluating machine learning models using Python libraries such as scikit-learn, tensorflow, and pytorch for tasks including classification, regression, clustering, and natural language processing.

Transforming Nigerian Youths | via [Mastercard Foundation](#)   **July 2023**
- Entrepreneurship and Business Development: Knowledge of starting and managing a business, including essential steps for business planning, market research, and strategy development.
- Investment and Financial Management: Skills in investment strategies, financial planning, and maintaining financial stability for personal and business growth.
- Risk Management: Understanding of risk assessment and mitigation strategies to manage and reduce potential risks in business and investment ventures.
- Teamwork and Time Management: Ability to work effectively within a team and manage time efficiently, ensuring productivity and successful project outcomes.

WordPress Fundamentals | via [European Information Technology Certification Academy](#)   **May 2023**
- WordPress Installation and Setup: Proficiency in installing WordPress both locally and on a live server, including initial configuration and setup.
- Content Management and Organization: Skills in managing WordPress content, including creating and editing pages and posts, using the Gutenberg Editor, and organizing media, comments, and menus.
- Customization and Plugins: Experience with customizing WordPress sites using themes and plugins, managing user roles, and adjusting site settings to meet specific needs.
- WordPress Dashboard Navigation: Familiarity with the WordPress Dashboard for effective site management, including utilizing sidebars, widgets, and other dashboard features to enhance site functionality.

Google Project Management | via [Coursera](#)   **April 2023**
- Project Planning and Execution: Understanding of project management fundamentals, including project lifecycle, planning, execution, and closure, ensuring projects are delivered on time and within scope.
- Project Management Tools (Asana): Proficiency in using project management tools such as Asana for task management, team collaboration, and tracking project progress.
- Team Coordination and Communication: Skills in coordinating with team members, facilitating effective communication, and managing stakeholder expectations to achieve project goals.
- Risk Management and Problem-Solving: Ability to identify potential project risks, develop mitigation strategies, and solve problems that arise during project execution to maintain project momentum.

Business Intelligence & Data Analyst (BIDA)® | via [Corporate Finance Institute® (CFI)](#)   **January 2023**
- Data Analysis: Expertise in analyzing complex data sets to uncover insights, identify trends, and support decision-making processes using various analytical tools and techniques.
- Business Intelligence: Proficiency in utilizing business intelligence tools to aggregate, visualize, and interpret data, enabling informed strategic and operational decisions.
- Data-Driven Decision Making: Skills in applying data-driven methodologies to solve business problems, optimize performance, and drive growth by leveraging actionable insights from data.
- Technical Proficiency in Analytical Tools: Competence in using industry-standard software and tools for data analysis and business intelligence, such as Excel, SQL, and visualization tools like Tableau or Power BI.

Data Science and Machine Learning Fundamentals| via [Corporate Finance Institute® (CFI)](#)   **December 2022**
- Data Analysis: Proficiency in analyzing datasets to extract meaningful insights, identify patterns, and support data-driven decision-making processes.
- Machine Learning Fundamentals: Understanding of basic machine learning concepts, algorithms, and techniques, including supervised and unsupervised learning, to build predictive models.
- Practical Application of Data Science: Experience in applying data science methodologies to real-world

problems, using tools such as Python or R for data analysis and machine learning model development.

Financial Modeling & Valuation Analyst (FMVA)® | via [Corporate Finance Institute® (CFI)](#)   **November 2022**
- Financial Modeling: Expertise in building comprehensive financial models from scratch, including forecasting, budgeting, and analyzing financial statements to support business decisions.
- Valuation Techniques: Proficiency in various valuation methods such as discounted cash flow (DCF) analysis, comparable company analysis, and precedent transactions to determine the value of a company or asset.
- Data Analysis: Strong skills in analyzing financial data to identify trends, assess financial performance, and provide actionable insights for strategic planning.
- Excel Proficiency: Advanced knowledge of Microsoft Excel for financial modeling, including the use of complex functions, pivot tables, and macros to streamline financial analysis and reporting.

Understanding Research Methods | via [Coursera](#)   **August 2022**
- Research Design and Methodology: Comprehensive understanding of various research designs, methodologies, and techniques to conduct systematic and rigorous research studies.
- Data Collection and Analysis: Skills in collecting qualitative and quantitative data, utilizing appropriate tools and techniques for data analysis to derive meaningful insights.
- Critical Thinking and Evaluation: Ability to critically evaluate research literature, assess the validity and reliability of research findings, and draw evidence-based conclusions.
- Ethical Considerations in Research: Knowledge of ethical principles and practices in research, ensuring the integrity and ethical conduct of research activities.

Statistics: Professional Diploma Program | via [European Open University](#)   **July 2022**
- Statistical Analysis: Proficiency in applying statistical methods and techniques to analyze data, identify patterns, and make data-driven decisions.
- Data Analysis: Skills in collecting, organizing, and interpreting data using statistical tools, ensuring accurate and meaningful insights from data sets.
- Probability and Statistical Inference: Understanding of probability theory and concepts such as hypothesis testing, confidence intervals, and p-values to draw valid conclusions from data.
- Descriptive and Inferential Statistics: Knowledge of both descriptive statistics (mean, median, mode, standard deviation) and inferential statistics (regression analysis, ANOVA, correlation) for comprehensive data analysis.

ALP - Cost Management | via [World Bank Group](#)   **April 2022**
- Cost Analysis and Control: Proficiency in analyzing and controlling costs to ensure efficient use of resources, including cost variance analysis and budgeting.
- Budgeting and Forecasting: Skills in creating detailed budgets and financial forecasts to plan and manage organizational finances effectively.
- Cost Reduction Strategies: Knowledge of techniques and strategies to identify and implement cost-saving measures without compromising quality or performance.
- Financial Reporting and Compliance: Understanding of cost reporting requirements and ensuring compliance with financial regulations and standards.

An Introduction to Thinking and Working Politically | via [UNICEF](#)   **January 2022**
- Financial Modeling: Expertise in building comprehensive financial models from scratch, including forecasting, budgeting, and analyzing financial statements to support business decisions.
- Valuation Techniques: Proficiency in various valuation methods such as discounted cash flow (DCF) analysis, comparable company analysis, and precedent transactions to determine the value of a company or asset.
- Data Analysis: Strong skills in analyzing financial data to identify trends, assess financial performance, and provide actionable insights for strategic planning.
- Excel Proficiency: Advanced knowledge of Microsoft Excel for financial modeling, including the use of complex functions, pivot tables, and macros to streamline financial analysis and reporting.
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VOLUNTEERING/LEADERSHIP EXPERIENCE

Registration Assistant Incubator Nigeria Bootcamp| RCCG Mowe, Ogun State   **May 2024**
- Event Management and Coordination: I effectively handled the registration for the Incubator Nigeria Bootcamp, coordinating with team members to ensure smooth operations for over 1000 participants.
- Data Management and Analysis: I utilized Google Sheets to manage and organize participant data, demonstrating my skills in data entry, tracking, and reporting.
- Team Collaboration: I collaborated closely with others to achieve our goals, showcasing my strong teamwork and communication skills in a dynamic environment.
- Problem-Solving: I addressed and resolved any registration-related issues that arose, demonstrating my proactive

problem-solving abilities and adaptability in a high-volume setting.

Data Analyst – Nigeria Youth Service Corps (NYSC) Ebonyi State Afikpo Camp   **June 2024**
- Conducted an in-depth analysis of the demographic data of over 1,000 corps members.
- Examined age, sex, and state distribution of the corps members.
- Collected and ensured the accuracy and completeness of the data.
- Utilized statistical methods to identify patterns and trends within the data.
- Created detailed visualizations, including charts and graphs, to effectively communicate findings.
- Compiled comprehensive reports highlighting key insights for stakeholders.
- Provided valuable information to support informed decision-making processes within the organization.

United People Global Sustainability Leadership – UPG.   **May 2023**
- I participated in the UPG Sustainability Leadership movement, which mobilizes individuals and organizations to support positive citizen leadership on sustainability.
- I contributed to initiatives inspired by UPG's commitment to act with available resources, promoting the idea that everyone can make a difference.
- I engaged in projects aimed at fostering sustainable practices and raising awareness about environmental issues.

- I collaborated with diverse groups to develop and implement strategies for creating a more sustainable world.

Mathfom Development Society (MDS), Lagos   **September 2021**
- I developed and implemented educational programs aimed at improving student performance in Mathematics and other subjects.
- I engaged with the community, including schools and local organizations, to promote the society's vision and extend its reach.
- I led and coordinated volunteers, organizing activities and events that addressed educational challenges and supported student learning.
- I identified root causes of poor academic performance and devised innovative solutions to enhance students' understanding and interest in Mathematics.

Judge, Student Union Government – Yaba College of Technology, Nigeria   **February 2021**
- As a judge of the judiciary arm of the Student Union Government, I represented my constituency and fought for student interests.
- I led and advocated on behalf of over 1,000 students, ensuring their voices were heard and their rights were protected.
- I provided guidance and support to students, addressing their concerns and resolving disputes effectively.
- I demonstrated leadership and commitment to upholding justice and fairness within the student community.

HONOURS AND AWARDS
- Excelerate Indian Scholarship| Link   **2023**
- University of Nigeria Political Icon Award | Link   **2022**
- Federal Government of Nigeria Bursary Award | Link   **2022**
- University of Nigeria Stellar Award | Link   **2022**
- Academic Excellence Award(MSSN)| Link   **2021**

MEMBERSHIPS/AFFILIATIONS
- United People Global (UPG)   **2023 – Present**
- GitHub Education Student Developer   **2023 – Present**
- European IT Professionals Networking Platform   **2022 – Present**
- The Room Fellowship| ALX   **2022 – Present**
- Mathfom Development Society Lagos   **2022 – Present**
- Blacks in Technology Foundation   **2021 - Present**

SKILLS AND COMPETENCIES
- **Word Processing Skills:** Microsoft Office Package.
- **Statistical Skills:** Mathematica and R.
- **Programming Skills:** Python, R, SQL for data analysis.
- **Soft Skills:** Interpersonal skills, Strategic Planning, Strong Analytical Ability, Curiosity, Leadership Competence, Eagerness to learn, Integrity and attentiveness to Details.
- **Languages:** English (Fluent), French (Beginner), and Yoruba (Native).

REFERENCES
Mr. A.A Fadiji (Thesis Supervisor)
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