

ADEAGA IBRAHIM ABAYOMI

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PERSONAL STATEMENT

Dedicated and detail-oriented Mathematics graduate with a strong foundation in analytical thinking, problem-solving, and data analysis. Proficient in advanced mathematical concepts, including calculus, functional analysis, algebra, and statistics, with practical experience in applying these skills to real-world scenarios. Passionate about leveraging mathematical expertise to contribute to innovative projects and solutions. Eager to apply strong communication and teamwork skills in a collaborative environment to drive continuous learning and professional growth.

Interests: Algebra | Functional Analysis | Complex Analysis | Applied Mathematics | Data Analysis and Analytics | Mathematical Research | Mathematical Modeling and Simulation | Operations Research and Optimization

EDUCATION

Kwara State University, Malete, Nigeria

2020

Bachelor of Science (B.Sc.) in Mathematics

Final Grade: Second Class (Upper) Division

CGPA: 3.14/4.0

Thesis Title:

Fractional Variational Iteration Method for Solving Nonlinear Differential Equations

Interim Joint Matriculation Board:

2017

Ahmadu Bello University, Kwasu Campus (IJMB)

Final Grade: (Distinction)

CGPA: 11.0/15.0

RESEARCH INTEREST

- Applied Mathematics
- Complex Analysis
- Algebra
- Functional Analysis

WORKING EXPERIENCE

Graduate Mathematics Teacher

Sept 2023 – present

Glory Kiddies Academy – Nigeria

- Deliver lessons in Mathematics and Further Mathematics to secondary school students, helping them grasp key concepts.
- Support students by answering questions, clarifying difficult topics, and providing extra help when needed.
- Design lesson plans and classroom activities that keep students engaged and cater to different learning needs.
- Evaluate student work through tests, quizzes, and assignments, offering constructive feedback to promote improvement.
- Foster a positive and interactive classroom atmosphere that encourages student participation and critical thinking.

TEACHING EXPERIENCE

National Youth Service Corps (NYSC)

May 2021 – April,2022

Umar Ali-Shinkafi Polytechnic, Sokoto - Nigeria

- Served as the assistant lecturer for National Diploma(ND) 1 and ND 2 classes, delivering lectures, guiding students through coursework, and managing classroom dynamics.
- Assisted students during lessons by answering questions, providing additional explanations, and offering individual support as needed. Help maintain an engaging and productive classroom environment.
- Evaluated student assignments, quizzes, and exams according to established rubrics. Provide constructive feedback to help students improve their understanding and performance.
- Lead small group discussions, workshops, or study sessions to reinforce key concepts. Encourage collaboration and active participation among students.

Graduate Mathematics Teacher

July 2022 – Mar 2023

Federal College of Education, Iwo Nigeria

- Created lesson plans and instructional materials that align with curriculum standards and meet the needs of students at various levels. Teach complex mathematical concepts in an accessible and engaging manner.
- Designed and administered assessments, including quizzes, tests, and assignments, to evaluate student understanding. Track and record student progress, providing feedback to help them improve their mathematical skills.
- Offered additional support through tutoring sessions, one-on-one assistance, and study groups. Address individual learning challenges and provide resources to help students succeed.
- Utilized educational technology, such as graphing calculators, online tools, and interactive software, to enhance the learning experience. Integrate digital resources into lessons to make mathematics more engaging and relevant.
- Engaged in ongoing professional development to stay updated on the latest teaching methods, educational research, and mathematics curriculum changes. Collaborate with colleagues to share best practices and improve instructional strategies.

RESEARCH EXPERIENCE

Research Assistant, Department of Mathematics & Statistic

April 2019 -Sept 2020

Kwara State University, Malete, Kwara State, Nigeria

- Assisted Faculty members on mathematics modeling and analysis of real-world problems, such as optimizing resource allocation using linear programming
- Undergraduate Research project on Fractional variational iteration Method for Solving Nonlinear Differential Equations.

PUBLICATIONS

Prof. A. Abdulraheem., Adebayo R., Muritala H.S., Adeaga I.A., (2024). Error propagation and control in iterative methods **(in review)**

CONFERENCE/WORKSHOP ATTENDED

- Mathematical Association of Nigeria (MAN) Annual Conference
- Nigerian Mathematics Society (NMS) conference
- KWASU Workshop on Mathematics Modeling and Data Analytics

Dec 04 - 06, 2020

June 18 - 21, 2019

Aug 14 - 15, 2018

RELEVANT SKILLS

Soft skills: Critical thinking, Problem solving skills, Teaching skills, Research skills, Emotional Intelligence, Ability to adapt to new processes and technology, Excellent written and Communication skills, Excellent Leadership and Organizational abilities.

Technical skills: Data research, and analysis, MATLAB, Excel, web development and design using HTML/CSS, FIGMA.

OUTREACH

- **Member of Committee and Speaker** at the Federation of Iwoland Students Union Annual Conference (Dec 21-24, 2020). Addressed an audience of over 400 undergraduate students on The “**Role of Networking in Building a Successful Academic Career**”.
- **Guest Speaker** at the *Students Orientation Week* organized by the *Students Union Government (SUG) of Umar Ali-Shinkafi Polytechnic, Sokoto* (Feb 14-17, 2022), where I provided valuable insights to guide new students in their academic journey.

VOLUNTEERING & LEADERSHIP EXPERIENCE

Member of FILSU Charity Organization

Feb. 2019 - present

- I handled mentorship program for these fewer privileged children
- Provision of educative materials to the children

National Association of Mathematics & Statistics Society of Nigeria, (NAMSSON). **May. 2019 - Mar. 2020**

- Handled the selection and arrangement process of projects exhibited.
- Led the planning and coordination of the exhibition event

AWARDS & HONORS

Rotaract-Club State Branch–2021: Awarded for exceptional achievement and academic success.

Omoluabi Akande Foundation Award–2021: Recognized for outstanding contribution and academic success.

Departmental List of Excellence in Mathematics Science-2019-2020: Awarded for sustained excellence and academic integrity in mathematics coursework.

LANGUAGE

English: Native Language, Distinguished levels in listening, Speaking, Reading, and Writing