# Olayinka Imisioluwa Arimoro

# Curriculum Vitae

11, Bankole Street, Abule-Ijesha, Jibowu-Yaba, Lagos, Nigeria

Phone: +2348100542787 (direct), +2348120919501 (direct)

E-mail: arimoroolayinka@gmail.com

LinkedIn: https://www.linkedin.com/in/arimoro-olayinka-9279a1179

## Education

2017–2018:  Master of Science - Statistics

University of Lagos, Nigeria.

Grade: 4.68/5.0 (Distinction)

2011–2015:  Bachelor of Science (Hons) - Mathematics and Education

University of Lagos, Nigeria.

Grade: 3.71/5.0 (Second Class Upper)

## Honors, Awards & Scholarships

- Best Graduating Student in Masters Class, Department of Mathematics, *University of Lagos*
- Top 10 in Graduating Undergraduate Class, Department of Science & Tech Education, *University of Lagos*
- Travel Award, Data Science Africa Conference 2019 at Accra, Ghana.

## Summary of Soft & Technical Skills

- Strong leadership, communication, and organizational skills
- Five years of professional experience in STEM teaching and evaluation
- Two years of project experience in data analytics (data management, predictive analytics, and modeling)
- Intermediate Programming Skills in MySQL, Git and GitHub, PostgreSQL, Power BI, R, and Python.

## Research Publications/Scientific Reports

1. Arimoro OI. *Economic status of parents, a determinant on academic performance of senior secondary school students in Mathematics in some selected schools in Lagos State*. Undergraduate Honors Thesis, University of Lagos, 2015.
2. Arimoro OI. *A statistical comparison of logistic regression and Naïve Bayes classification models using 10-fold cross validation for hospital readmission*, MSc Thesis, University of Lagos, 2019.
3. Anwunah SJ, Arimoro OI, Adaramola O. *System for Health Improvement Measures: A Case Study of Evaluating Patients Experience in Lagoon Hospitals*. Fellowship Capstone Project, Information and Data Analytics Foundation, 2020.

## Professional Work Experience

2020-Present:  **Instructor**

*Coursera Inc., USA*

As Subject Matter Expert, my role and responsibilities include:

- Developing core learning content for over 25 project(s) on the Coursera platform, including:
- Using Coursera's content creation templates and training materials to ensure pedagogical best practices are incorporated into core learning content
- Uploading assessments, readings and other course assets onto the Coursera platform
- Reviewing all content before going into beta testing
- Implementing beta testing and technical/content quality assurance feedback as prompted by Coursera
- Adhering to scheduled deadlines

Currently, 25 of my project-based courses have been launched on the Coursera platform

1. Performing Data Definition and Manipulation in SQL
2. Querying Databases using SQL SELECT statement
3. Performing Data Aggregation using SQL Aggregate Functions
4. Getting Started with R
5. Calculating Descriptive Statistics in R
6. Mastering SQL Joins
7. Introduction to EDA in R
8. Hypothesis Testing in R
9. Performing Confirmatory Data Analysis in R
10. Data Manipulation with dplyr in R
11. Data Visualization using dplyr and ggplot2 in R

12. Getting Started with Version Control in RStudio
13. Using SQL String Functions to Clean Data
14. SQL CASE Functions
15. SQL Date Time Functions
16. Building Statistical Models in R: Linear Regression
17. SQL Mathematical Functions
18. Google Trends Analysis using R
19. Customer Segmentation using K-Means Clustering in R
20. Working with Subqueries in SQL
21. Introduction to Regular Expressions in SQL
22. Decision Tree Classifier for Beginners in R
23. Introduction to SQL Window Functions
24. SQL Window Functions for Analytics
25. Manipulate R Dataframes using SQL in RStudio


2020-2021:  **Statistical Analyst**

*Data Wrangling Limited*, Victoria Island, Lagos state, Nigeria

- Prepare project reports and present results to clients
- Develop and validate predictive models in R and Python.
- Lead a team to create and present materials on data projects, data science architecture, and analytics strategies
- Develop cost-effective, secure, reliable and efficient cloud solutions for clients
- Implement and deploy different machine Learning and deep learning frameworks for various projects


2020–2020:   **Instructor**

*Haptics Nigeria*, Alagomeji-Yaba, Lagos state, Nigeria

- Taught a group of thirteen (13) students in the Data Analytics Foundation (DAF) cohort on using SQL for data analytics
- Covered both the theoretical and practical aspects of using SQL, from the basics of relational databases, creating databases and tables, writing SQL queries to retrieve data from a database and performing joins in SQL
- Administered formative and summative assessments with an average grade of 90% amongst learners

2019–2020:     **Data Science Fellow**

*Information and Data Analytics Foundation (IDAF)*, Victoria Island, Lagos state, Nigeria

- Developed and validated predictive models in R and Python.
- Completed weekly deadlines of assignments and projects that involves data science methodologies.
- Worked with a team to create and present materials on data projects, data science architecture and analytics strategies
- Mastered different machine Learning and deep learning frameworks for various projects
- Led teams to deliver weekly tasks and assignments using R and Python.

2018–2021:              **Adjunct Assistant Lecturer**
*Mountain Top University, Ibafo, Ogun state, Nigeria*

- Taught two senior undergraduate courses
    - ✓ ECO 409 (Applied Statistics), which covered:
        - Introductory Statistics, Probability Theory, Science of sampling, Estimation, Theory of Hypothesis Testing
    - ✓ ECO 318 (Mathematical Economics II), which covered:
        - Operations Research and Optimization
- Maintained office hours to address student concerns and questions
- Administered assessments to students.

## Conference Presentations

- AI-Empowered solutions for quality assessment and control in healthcare delivery. Invited presentation at ODSC Nigeria team Webinar, June 2020.

## Online Workshops/Short Courses

*2020 – Present*

- Artificial Intelligence Bootcamp, *Data Science Nigeria*
- Data Science Specialization, *Johns Hopkins University* (Coursera)
- AI for Medicine Specialization, *deeplearning.ai* (Coursera)
- Data Science Specialization, *Johns Hopkins University* (Coursera)
- MicroMasters in Statistics and Data Science, *Massachusetts Institute of Technology* (edX)
- Fundamentals of Statistics, *Massachusetts Institute of Technology* (edX)
- Probability: The Science of Uncertainty and Data, *Massachusetts Institute of Technology* (edX)

*2018 – 2019*

- IBM Data Science Professional Certificate, *IBM*, (Coursera)
- IBM Applied Data Science Specialization, *IBM*, (Coursera)
- IBM Introduction to Data Science Specialization, *IBM*, (Coursera)
- Biostatistics in Public Health Specialization, *Johns Hopkins University*, (Coursera)
- Statistical Analysis with R for Public Health Specialization, *Imperial College London*, (Coursera) Best Practices for Biomedical Research Data Management, *Harvard Medical School and NIH Big Data to Knowledge,* (Canvas Network)

## Selected Leadership and Volunteer Experience

*2020 – Present*

- Facilitator of free online classes on introduction to Data Science, Statistics, R and SQL
- Lead Strategist and Visioner, Predicare Steun Academy (PSA); a nonprofit organization

*2018 – 2019*

- Class representative, Statistics Masters class, University of Lagos
- General secretary, Postgraduate Christian Fellowship, University of Lagos (UNILAG) chapter
- Lead, Exams Record committee, Eager Minds College

*2015 - 2017*

- Zonal coordinator, NCCF (Nigeria Christian Corpers Fellowship), Nkanu East, Enugu state
- Coordinator, Serving Corps Members at Comprehensive Secondary School, Amafor, Ugbawka, Enugu
- Member, Evaluation committee at NYSC (National Youth Service Corps) orientation camp in Awgu, Enugu
- Assistant secretary of the UNILAG chapter of a multicultural nonprofit oriented organization