

Boakye Duah Kluivert

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Personal Profile

Highly accurate and experienced Statistician and Data Scientist adept at collecting, analysing, and interpreting large datasets, data visualisation, developing new forecasting models, deploying models, and performing data management tasks. Possesses extensive analytical skills, strong attention to detail, and a significant ability to work in a team. I have a strong passion for research and want to use my expertise to make a meaningful impact. I am always looking for opportunities that will impact a change, make me learn, and also help me become the good data scientist I have always dreamt of.

My research interests are machine learning, artificial intelligence, deep learning, health data science and statistics.

Education

Queen's University Belfast

PhD Medicine

Belfast, UK

Oct 2023 - Sep 2026

- **Thesis:** Connecting All-Island Clinical and Molecular Data for Lymphoid Blood Cancers to Illuminate Immune Dysfunction and Drug Resistance.

Teesside University

MSc. Applied Data Science

Middlesbrough, UK

Sept 2021 - May 2023

- Graduated with Distinction.
- Chaired the Ghanaian Society.
- Volunteered as a peer teaching assistant.
- **Thesis:** A facial recognition tool for automated attendance monitoring using deep learning.

Kwame Nkrumah University of Science & Technology

BSc. Statistics

Kumasi, Ghana

Sep 2015 - June 2019

- Selected for a Teaching & Research Assistant.
- **Thesis:** Time Series Analysis of Rainfall Distribution in the Ashanti Region, a case study in Kumasi.

Work Experience

Public Health Scotland

Information Assistant (Intern)

Edinburgh, UK

July 2023 - Sep 2023

- Used R shiny to create dashboards for visualizing health datasets.
- Used Excel and R to clean and prepare data for statistical analysis.
- Updated and maintained health datasets.
- Data Entry and data management task with SQL.
- **Data Science Challenge by the British Heart Foundation:** Exploring and reporting on cancer dataset whilst attempting the classification problem.

Scale AI

Artificial Intelligence Researcher

San Francisco, USA

Oct 2022 - Dec 2022

- Trained a robot/AI to solve mathematical problems.
- Reviewed procedures in solving mathematical problems.

Maczat Academy

Science & IT teacher

Central Region, Ghana

May 2021 - Sep 2021

- Taught Science and IT at the Junior High School.
- Assessed students' academic progress.

Kwame Nkrumah University of Science & Technology

Teaching Assistant

Kumasi, Ghana

Sep 2019 - Aug 2020

- Assisted in teaching Regression Analysis, Epidemiology, and Introduction to Probability and Statistics.
- Assessed students' academic progress.

Laboratory for Interdisciplinary Statistical Analysis

Research Assistant

Kumasi, Ghana

Sep 2019 - Aug 2020

- Provided statistical literacy and organized 4 seminars on the role of statistics in country development.
- Conducted and assisted customers in research.

University Projects

In Course Assessments

Teesside University

Middlesbrough, UK

Sep 2021 - May 2023

- Machine Learning Operations to predict soil moisture.
- Predicting the price of mobile phones and the ethical issues involved.
- Patient survival prediction in a hospital.
- Using D3.js to visualize the suicide dataset from our world in data.
- Analysis of the factors that influenced the United States Election, 2016.
- Model comparison for determining stroke status of patients.

In Course Assessments

Kwame Nkrumah University of Science & Technology

- Discriminant Analysis of Admission Status

Kumasi, Ghana

Nov 2021 - Dec 2021

Skills

Programming Microsoft PowerBI, Python, R software, SPSS, Minitab, JavaScript, \LaTeX , STATA, Matlab, HTML/CSS, SQL
Miscellaneous \LaTeX (Overleaf/R Markdown), Microsoft Office, Git.
Soft Skills Time Management, Teamwork, Problem-solving, Teaching, Research, Documentation, Presentation.

Achievements

2015 **Best Student**, Armed Forces Senior High Technical School

Ghana

2014 **Most Vibrant Student Representative Council**, Ashanti Region

Ghana

Certifications

2023 **Elsevier**, How to address some of researchers most pressing questions with Scopus.

2023 **Elsevier**, How to get published in a scholarly journal: Top Tips from a Publisher.

2022 **Microsoft**, Azure AI Fundamentals

2022 **Google**, Data Everywhere

2022 **Code Institute**, 5 days Coding Challenge

2020 **LISA-LCWU, Department of Statistics, Lahore College of Women University, Lahore, Pakistan**, Tidyverse for Data Science

Publications

JOURNAL ARTICLES

Seroconversion and Prevalence of Hepatitis B Surface Antigen among Vaccinated Health Care Workers in Ashanti Region, Ghana

Michael Agyemang Obeng, Daniel Kobina Okwan, Ernest Adankwah, Pisco Kofi Owusu, Samuel Asante Gyamerah, Kluivert Boakye Duah, Ellis Kobina Paintsil

Advances in Medicine 2023 (2023) pp. 1–8. *Advances in Medicine*, 2023

Interests

Cooking Enjoys trying new dishes

Football A good footballer which makes me watch football as well

Music I read staff music and play guitar, trumpet, and piano

Languages

English Native proficiency

French Intermediate proficiency

Asante Twi Native proficiency

Referees

Ian Overton, Reader, School of Medicine, Dentistry and Biomedical Sciences, i.overton@qub.ac.uk

Queen's University
Belfast

Scott Kilgariff, Principal Information Analyst, scott.kilgariff@phs.scot

Public Health
Scotland

Samuel Asante Gyamerah, Lecturer, asante.gyamerah@knust.edu.gh

Kwame Nkrumah
University of
Science & Tech