

# Boakye Duah Kluivert

Belfast, UK

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## Personal Profile

Highly accurate and experienced Statistician and Data Scientist adept at collecting, analyzing, and interpreting large datasets, data visualization, 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. Additionally, I am new to bioinformatics and I want to learn more about it since I will use it in my PhD research to understand mechanisms of resistance and relapse in Multiple Myeloma and Chronic Lymphocytic Leukaemia. I will also correlate clinical features of immunodeficiency and immune reconstitution in CLL with biological parameters.

## Education

### Queen's University Belfast

Belfast, UK

PhD Medicine

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

Middlesbrough, UK

MSc. Applied Data Science

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

Kumasi, Ghana

BSc. Statistics

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

Edinburgh, UK

Information Assistant (Intern)

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

San Francisco, USA

Artificial Intelligence Researcher

Oct 2022 - Dec 2022

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

### Maczat Academy

Central Region, Ghana

Science & IT teacher

May 2021 - Sep 2021

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

### Kwame Nkrumah University of Science & Techonology

Kumasi, Ghana

Teaching Assistant

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

Kumasi, Ghana

Research Assistant

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

- 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.

Middlesbrough, UK

Sep 2021 - May 2023

## 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,  $\text{\LaTeX}$ , STATA, Matlab, HTML/CSS, SQL  
**Miscellaneous**  $\text{\LaTeX}$ (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**, Tidiverse 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

**Video Games** I sometimes play FIFA or PES

## 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