

JAMES STUART

Jamesstuarto4@gmail.com ◊ 07847 697822 ◊ Personal website: Fred71695.Github.io

EDUCATION

Durham University

June 2026 graduation

B.s.c in Mathematics and Statistics

Penultimate year of study specialising in Data science, Machine learning and Operational research.

A-Levels: Beauchamps High School

Mathematics **A***

Further Mathematics **A***

Physics **A**

EXPERIENCE

Internship, Atom Bank

September 2024 - Present

- Real-world problem solving in a rigorous statistics and machine learning framework. The aim of this project is to identify whether there are common customer characteristics or combinations of customer characteristics, which can explain why certain groups of customers see an improvement or deterioration in creditworthiness over time and what options Atom has available to respond to this analysis.
- My responsibilities include handling sensitive real data sets to devise suitable models that yield clear solutions which i then present orally and in written reports to academic and third-party audiences.

PERSONAL PROJECTS (SEEN ON PERSONAL WESBITE)

Portfolio Website

Launched September 2023

- With the motivation of having a platform to display my personal projects I created this website using HTML, JavaScript and CSS.
- This was a highly beneficial project for me as it familiarized me with GitHub repositories, as well as combining frontend and backend frameworks.

Covid-19 analysis

Completed March 2024

- With Covid-19 data from Gov.uk, I created a Markdown document detailing the process I took to clean and analyse the data using the Tidyverse package in R .
- The project involved analyzing hospital admission rates for the UK and focusing on the geographical discrepancies and categorizing cases by age, leading to clear and informative visuals and inferences.
- I focused on emulating the formatting and styling of the Gov.uk website, ensuring my analysis was displayed to a professional standard.

WORK EXPERIENCE

Tutoring, MyTutor

February 2021 - Present

- Alongside my studies, i am employed as a Mathematics tutor working with Students ranging from KS3 up to university admissions. My responsibilities include planning engaging material ahead of time and delivering clear explanations of complex ideas.

TECHNICAL STRENGTHS

Computer Languages & tools

Key University Modules

Academic Awards

R (intermediate), Python, HTML, CSS, JavaScript, VS code, R Studio, LaTeX

Data science, Advanced Statistical Modelling , Machine learning, Operational research

UK Maths Challenge gold award