

# Charlie Homewood



## Personal Info

📍 Brighton, East Sussex, UK

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🌐 LinkedIn | 🐙 GitHub

## Tools

🐍 Python

📊 R

🗄 SQL

## Project Portfolio

Find all my projects on  
GitHub!

### Highlights:

- **Shiny app to visualise football player data using percentile radars**
- **(University) Exploratory Factor Analysis to produce a novel self-esteem questionnaire**
- **(University) Analysis of the Open University Learning Analytics Dataset (OULAD)**

## Presentations

Watch me present!

**An Undergraduate's R Journey**

Brighton R

Oct 2023

## ? Who am I?

MSc Data Science student with strong academic and vocational experiences, utilising R and Python across a variety of data science tasks. I am capable of solving problems using statistical inference and machine learning techniques, as well as clearly communicating research insights and developing data products to provide valuable decision-making evidence. **Currently seeking opportunities to gain further experience as a data scientist.**

## Work Experience

**Data Analyst** | **Datacove** | Jun 2025 - Jan 2026

- **Developed dashboards using Shiny (R & Python)** to visualise ecosystem data for the UK public sector, and for a higher education marketing agency to communicate predictive modelling insights about university applications.
- **Conducted Marketing Mix Modelling** for a commercial business premises provider and for a leading fitness and leisure business.
- **Performed data cleaning in R and Python** for multiple projects.
- **Helped to co-organise and run community events**, such as **EARL 2025** and **BrightonR**, **BrightonPy** and **LondonR** user groups.

**Data Analyst** | **Aten Consultancy** | May 2024 - Aug 2024

- **Used SQL and consulted with council departments** to develop understanding of various datasets to inform production of a building safety management app to enhance compliance with **the "Golden Thread"**.
- **Used R to pre-process and clean** a large resident contact details data extract, enabling Camden's resident engagement team to gain greater outreach.

**Data Analyst Intern** | **Datacove** | Jul 2023 - Sep 2023

- **Created a training course on logistic regression in R**, now part of Datacove's portfolio of commercial training courses.
- **Wireframed a dashboard** (MS PowerPoint and **Kibana**) for detecting website vulnerabilities.
- **Optimised Marketing Mix Models in R.**

**Project Manager Intern** | **Mindlab** | Jun 2022 - Jul 2022

- **Designed and produced experimental stimuli** for a pilot internal research experiment aiming to validate and improve **Mindlab's "Findability" measurement tool**.
- **Produced a summary report of a customer segmentation project.**
- Explored viability of incorporating **"Social Listening"** into Mindlab's measurement tools.

## Education

**MSc Data Science** - University of Sussex

Sep 2024 - Present

★ Grade: **Current Grade Mean - 85.25%**

**BSc Psychology with Economics** - University of Sussex

Sep 2019 - May 2023

★ Grade: **1st Class (Hons)**

### Awards:

- The Sage Publications Prize for Outstanding Application of Statistical Methods (2023).