

Charlie Homewood



Personal Info

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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).