Charlie Homewood

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⌗ Github | in Linkedin | ☰ Website

Summary

Recent BSc Psychology with Economics graduate with a strong background in data analysis, statistics and scientific methodology gained from educational and work experiences. I am skilled in using R (programming language) to conduct a variety of analytical techniques. I am passionate to utilise the skills I have developed to provide valuable insights into important questions. **Currently seeking to gain experience in data analysis or data science roles.**

Skills

R (Proficient)
Python (Basic)
SQL (Basic)

🏛 Education

BSc Psychology with Economics

2019-2023
University of Sussex
Grade: 1st class (Hons)

Relevant Modules

- **Research Dissertation**
  - Conducted computational reproductions of analyses published in peer-reviewed journal articles.
- **Quantitative and Qualitative Methods**
  - Conducted an exploratory factor analysis on questionnaire data I collected.
- **Perspectives in Psychology**
  - Developed a solid understanding of broader scientific issues such as replication/reproducibility, research ethics and philosophy of science.
- **Behavioural Economics**
  - Developed a strong understanding of cognitive biases in real-world economic behaviour.

Awards

- The Sage Publications Prize for Outstanding Application of Statistical Methods (2023).
  - *"To be awarded for the highest mark for a project that a supervisor has nominated based on outstanding application of statistical methods."*

⚲ Work Experience

Datacove
Data Analyst Intern
July-September 2023

Achievements

- **Created a training course on conducting logistic regressions in R** to be offered as part of Datacove's portfolio of commercial training courses.
- **Wireframed an analysis dashboard (MS PowerPoint and Kibana)** for a client to help them identify and resolve security vulnerabilities in websites in the UK.
- **Optimised media mix models in R** to support clients in understanding how various contributing variables relate to their KPIs, allowing them to make evidence-based decisions in their marketing strategies.

Mindlab
Project Manager (Intern)
July-September 2023

Achievements

- **Designed and produced experimental stimuli** for the pilot phase of an internal research experiment seeking to validate and improve Mindlab's 'Findability' measurement tool.
- **Produced a summary report** of a project that developed a segmentation method to gain insight into consumer characteristics.
- Helped Mindlab to **explore the viability of incorporating 'Social Listening'** into Mindlab's series of measurement tools. This tool is now part of Mindlab's commerical portfolio.

University of Sussex Library
Library Cleaner
June-July 2018, June-July 2019, June-July 2021

Responsibilities

- Cleaned books, bookshelves and equipment, sorted books, disposed of outdated items.
- Worked both independently and in small teams to consistently meet daily targets.

📅 Personal Projects

Making Percentile Radars
Ongoing

Using data from fbref, I'm creating an **analysis dashboard using the Shiny package in R** to visualise the performance of male footballers across Europe's top 5 highest ranked divisions.

F1 Machine Learning
Ongoing

Working with the **Ergast F1 API in Python**, I'm exploring the impact of major regulation changes on the performance of drivers and constructor teams between 1958 to now.