

Charlotte Bradburn

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Profile

MBio Biology student with strong quantitative research experience using RStudio, SPSS and Excel. Delivered independent projects involving regression, ANCOVA and GLMs, alongside rigorous data cleaning and exclusion-criteria design. Communicated findings through posters, symposium presentations and client reporting, including a Best Presentation award. Currently seeking a data analyst role where quantitative skills and scientific rigour drive evidence-based decisions.

Key Projects

MBio Independent Research Project

University of Lincoln · 2025 - 2026

Combined Oral Contraceptive Use, Inflammatory Markers and Dietary Fibre Moderation

- Integrated multi-cohort datasets (794 records), defining evidence-based exclusion criteria to ensure analytical integrity.
- Engineered a statistical pipeline in RStudio applying ANCOVA and linear regression to quantify hsCRP, hepatic and immune marker variation across COC-use groups, achieving 85% in the results component.
- Presented findings at a university research symposium; awarded Best Presentation
- Authored journal manuscript for BMC Women's Health, translating complex multivariate outputs into publication-ready scientific narrative.

RSPCA Employer Project

University of Lincoln · 2026

- Led a 6-person cross-disciplinary team through a live client brief.
- Designed a customer survey and analysed Likert-scale responses to identify top 3 improvement areas.
- Analysed RSPCA sales data to define KPIs and conducted a comparative analysis of Lincoln charity stores using structured scoring criteria to benchmark in-store experience and inform revenue-growth recommendations.
- Presented findings to client stakeholders and answered questions to support next-step decisions - awarded full marks (15/15) for communication.

BSc Independent Research Project

University of Lincoln · 2024 - 2025

Ditching the Pill: Trends in Contraception Use and the Influence of Social Media

- Designed a questionnaire, cleaned data in Excel and delivered a First-Class Dissertation (75%).
- Communicated findings as an academic poster and written dissertation, demonstrating ability to translate quantitative results into a clear narrative for diverse audiences.

Education

MBio Biology – Predicted Distinction

University of Lincoln · 2025 - Present

- MBio Research Techniques: Performed logistic regression on complex paediatric pneumonia dataset in SPSS (98%); employed ggplot2 for GLM analysis and spatial-phylogenetic data visualisation (85%).
- Professional and Research Skills: Data analysis test in RStudio (100%), grant proposal (88%) and science communication for a lay audience (88%).

BSc Biology – First Class Honours

University of Lincoln · 2022 - 2025

- Relevant modules: Blood Sciences (80%), Cancer Epidemiology & Pathology (77%), 21st Century Medicine (67%) - developed data interpretation and evidence-based report-writing skills.

A-Levels

Iveshead School, Shepshed · 2022

Biology (B), Mathematics (B), Physics (D).

- Student mentor delivering 1:1 maths sessions to Year 8 pupils aligned to curriculum objectives.

GCSEs

Iveshead School, Shepshed · 2020

Grades 6-9, including Mathematics and English.

Certifications

- Google Data Analytics Professional Certificate (2026) – Data cleaning, R programming, introduction to SQL, data visualisation, business intelligence and stakeholder communication across 7 courses.
- Data Visualisation and Transformation with R – Duke University (2025)

Hobbies

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- 1st Dan Black Belt, Taekwondo – Led 1:1 coaching sessions