

Charlotte Rutherford – CV

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Relevant Experience

February-September 2023 – **Research Assistant**, *Cambridge Judge Business School*

- I assisted the El-Erian Institute of Behavioural Economics and Policy with a **large-scale systematic review and meta-analysis**. The project aims to assess the effectiveness of a wide variety of behavioural interventions on decision making relating to climate change.
- My main duties involved **evaluating more than 100 papers** across the behavioural science literature and inputting relevant data from shortlisted papers into the project's database.
- I searched databases for additional papers according to the systematic review protocol.
- I also assessed each paper along inclusion and exclusion criteria and scored them on their experimental design and statistical analysis.

July 2022 – **Summer School for Cowry Consulting**, *Online*

- A two-week summer school ran by a leading behavioural consulting firm.
<https://www.cowryconsulting.com/summer-school-2022-0>
- Working in a six-person group, I helped **design and implement behavioural interventions** to help a global charity increase engagement and donations.
- I used design software (Figma) to visualise our interventions.
- I hosted several parts of the resulting PowerPoint presentation to members of the consulting firm.

June-July 2021 – **Summer Intern**, *Online*

- I worked on an **international research project** organised by the Junior Researcher Programme (JRP) to replicate the psychological principle of temporal discounting.
- Working with the UK Data Collection team, my main duties involved editing the survey in Qualtrics and online data collection. **The resulting paper was published in *Nature Human Behaviour*** and I am listed as a co-author: <https://www.nature.com/articles/s41562-022-01392-w>

July-September 2019 – **Summer Intern**, *Judge Business School, Cambridge*

- I took part in a 10-week **research internship** organised by the Junior Researcher Programme and the Cambridge Judge Business School, replicating Kahneman and Tversky's 1979 landmark research on prospect theory.
- My main duties involved checking and editing the survey tool, tracking data collection targets, and assisting with online data collection.

- I also assisted with producing publicity material, editing chapters for a behavioural policy textbook and assisted the data analysis in R.
- **The resulting paper was published in *Nature Human Behaviour*** and I am listed as a co-author. It has passed 100 citations: <https://doi.org/10.1038/s41562-020-0886-x>

Education

MRes Experimental Psychology with Data Science (in progress) – *University of Manchester, 2023-2024*

- A one-year postgraduate degree, with a 50% dissertation component.
- Modules include data visualisation and regression in R, qualitative research methods, Bayesian statistics and contemporary research skills.
- Dissertation: *“The effect of Emotion on Data Visualisation Cognition”*. An empirical study on how the emotional context of graphs and figures can affect the conclusions people draw from them. Data collection will be carried out on Qualtrics with PsychoPy and processed using R.

BA (Hons) Psychological and Behavioural Sciences (2:1) – *Corpus Christi College, University of Cambridge, 2018-2022*

Third year included a **Research Dissertation** – (Mis)conceptions of Statistical Inference

- A 7k word dissertation which was awarded a high 2:1 mark.
- I examined common misunderstandings of statistical concepts in undergraduate students and how they relate to subject, year of study, and confidence in statistical knowledge.
- The paper included a literature review, survey question development, analysis in R, result presentation and discussion.

SQA Advanced Higher – English, Maths, Biology (All As) – *Aberdeen Grammar School, 2018*

Open University Module – Understanding the Autism Spectrum – *The Open University, 2018*

SQA Higher – Maths, English, Biology, Chemistry, French (All As) – *Aberdeen Grammar School, 2017*

Other Activities

2021-22– **Psychology representative** for the Cambridge Society for Economic Pluralism. ([CSEP](#))

- November 2021 - **Organised and hosted a talk** for the society. The talk was with a former professor on the topic of Positive Deviation. In addition to organising the talk, I also produced publicity material and hosted the Q&A.

2021-22– **Secretary** for the university’s Magic: The Gathering society.

2021-22 – Member of the [Corpus Christi College Choir](#).

2019-20 – **Social secretary** for the university’s Roleplaying and Tabletop Games society (CURTS).