

Curriculum Vitae • Alicia Smith

Researcher / Data Analyst | Statistical Analysis · R Programming · Product Analytics · Data visualisation | Relocating to London (British National) | LinkedIn: alicia-smith-519624174 | GitHub: aliciasmith1

I am a Data Analyst with a PhD in Cognitive Neuroscience from the University of Cambridge. I have extensive experience running statistical analyses to solve complex, real-world problems. I am experienced in product analytics, user engagement metrics, and translating insights into decisions through close collaboration with data engineers, clinicians, and non-technical stakeholders. I perform analyses using R, but have also self-taught Python, MATLAB, and ReactJS, selecting tools based on the needs of the project and building reproducible workflows that I share on GitHub.

- Education

PhD in Cognitive Neuroscience	Oct 2020 – Nov 2024
MRC Cognition and Brain Sciences Unit, University of Cambridge	<i>Passed with no corrections</i>
BSc (Hons) Neuroscience	Sept 2015 – Sept 2019
University of Manchester	<i>First Class</i>

- Data Science Experience

Post-Doctoral Research Fellow University of Melbourne, Australia	Dec 2024 – present
<ul style="list-style-type: none">• Led end-to-end analysis of data from hundreds of participants to inform the design of a new digital assessment tool.• Translated analytical insights into product decisions, designing and building a digital assessment tool (using ReactJS) co-developed with individuals with lived experience and clinicians at Oxygen Digital.• Partnered closely with clinical psychologists, mental health professionals, researchers, and young people to iteratively refine product functionality and usability.• Designed and analysed a mixed-methods (quantitative and qualitative) study assessing clinician perceptions of added value, feasibility, acceptability, and barriers to implementation.• Built reproducible analysis pipelines using Python and Jupyter notebooks and shared all code publicly via GitHub to enable replication across populations and settings.• Communicated findings to audiences through conference presentations, including the International Society for Internet Interventions.• Provided analytical support across multiple projects within the lab and advised master's and undergraduate students on data analysis and reporting.	
Data Analyst Consultant / Research Partner Left Write Hook, Australia	Jun 2025 – present
<ul style="list-style-type: none">• Ran statistical analyses and presented insights to non-technical stakeholders to support strategic planning and funding applications.• Presented findings in clear, non-technical formats for charity leadership and external partners.	

Data Analyst Oxygen Digital, Oxygen Youth Health, Melbourne, Australia	Jun 2023 – Dec 2023
<ul style="list-style-type: none">• Analysed longitudinal engagement data from nearly 6,000 users of a digital mental health platform to inform personalisation and product improvements.	

- Worked with data engineers and clinical psychologists to understand the research question, define metrics, and interpret results.

Research Assistant | Cognition & Brain Sciences Unit, University of Cambridge

Sept 2019 – Sept 2020

Research Assistant | Department of Psychiatry, University of Cambridge

Jun 2019 – Jun 2020

- **Technical skills**

Programming languages: R, Python, MATLAB, ReactJS

Analytics: Product analytics, cohort & longitudinal analysis, computational modelling, machine learning, experimental & observational studies

Data practices: Reproducible analysis, version control (Git/GitHub), data visualisation.

- **Awards & Grants**

Award nomination: Milo Keynes Prize

October 2025

Nominated for best thesis in a particular research area within the University of Cambridge School of Medicine.

Award: Sir Robbie Jennings Fund

May 2023

Award: Ting-Hway Wong Fund

May 2023

Award: MRC DTP Flexible Supplement Funding

March 2023

Award: Jesus College Postgraduate Travel Grant

January 2023

Award: Alwyn Lishman Prize

May 2022

Awarded for my submission to the British Neuropsychiatry Association annual conference.

CULP language bursary

May 2022

PhD Scholarship

February 2020

- **Selected Publications**

Smith, A.J. et al. (2025). User Character Strengths and Engagement Prediction on a Digital Mental Health Platform for Young People: Longitudinal Observational Study. *Journal of Medical Internet Research*.

Smith, A.J. et al. (2025). Inflammatory profiles of transdiagnostic symptom dimensions in healthy females. *Brain Behaviour Immunity Health*.

Smith, A.J. et al. (2024). Hot metacognition: poorer metacognitive efficiency following acute but not traumatic stress. *Translational Psychiatry*.

Full publication list available on Google Scholar.