Rosie Aboody

***Yale University**, PhD in Psychology, 2022*
***UC Berkeley**, B.A. in Psychology, 2013*

raboody@mit.edu
https://raboody.github.io/website/

Mixed-methods researcher with 12 years' experience studying how people think. Expertise in managing cross-team collaborations, manipulating, analyzing, and visualizing human subjects data, generating empirically-backed insights, and communicating findings to technical and non-technical audiences.

Work Experience

Research Consultant, Digital Promise 2023 - present

- Synthesizing research to help educators understand the cognitive science of learning. Building free online tools to aid in lesson-planning, by demonstrating how different aspects of cognition interrelate.

Senior Research Scientist, Harvard and MIT 2022 - present

- Secured selective $138k NSF grant to study how we reason about other minds, and contribute to gamified online research infrastructure for families, like Amazon Mechanical Turk or Prolific, but for kids and parents.
- Cleaning, manipulating, analyzing, and visualizing all resulting data, presenting findings to the research team, and integrating stakeholder feedback.
- Mentoring a team of research assistants, and collaborating with a large interdisciplinary team.

Research Scientist and Teaching Fellow, Yale University 2016 - 2022

- Designed 40+ mixed-methods experiments, conducted participant interviews and pilot testing to ensure experiments would yield informative data (tools: Qualtrics; Amazon Mechanical Turk; Prolific).
- Manipulated, analyzed, and visualized all resulting survey and human behavior data, forming empirically-backed recommendations to guide future research (tools: R; Python).
- Communicated results and recommendations to technical and non-technical audiences via 50+ presentations, as well as journal and popular press articles.
- Recruited 10,000+ participants, formed long-standing relationships with 10+ research sites, and obtained independent research funding, cutting lab recruitment and research costs by 50%.
- Mentored 20+ research assistants and managed multiple projects at different stages of completion, each with a different team of cross-functional collaborators, yielding 8 high-impact publications (cited 500x).
- Strong statistical background: TA for graduate multivariate statistics (2x); taught two sections of undergraduate statistics; adapted and taught a 16-hour course on R for data analysis and visualization.

Statistics Consultant, Yale StatLab 2019 - 2021

- Provided consulting to 300+ Yale faculty and student researchers, advising on experimental design, data manipulation, analysis, visualization, and general-purpose coding, in R and Python.
- Developed and delivered 8 hours of instructional content for undergraduate courses and statistics workshops on data manipulation, visualization, and analysis in R.
- In response to student feedback, created a handbook to standardize how different instructors delivered instructional content, increasing clarity and fidelity.

Laboratory Manager, University of California, Berkeley 2014 - 2016

- Managed $600k+ of grant funding. Supported needs of a large research team (8+ senior members, 30+ research assistants), and communicated research findings to educators and community members.
- Conducted research investigating how children and adolescents integrate new evidence and prior beliefs when learning, resulting in a high-impact publication (cited 360x).

Core Skills

Data Science and Statistical Analysis: data manipulation, analysis, visualization, and modeling of qualitative and quantitative data. Hypothesis testing (bootstrap and permutation tests), statistical models (e.g., linear regression, mixed-effects models). *Extensive experience*: R, tidyverse, lme4, boot, brms; *Moderate*: Python; *Basic*: SQL

Research and Project Management: Survey design, A/B testing, usability testing, card sorting, tree testing, participant interviews and recruitment (including child samples), literature search and review, project management. *Tools & Software*: Qualtrics, HTML/CSS, Amazon Mechanical Turk, Prolific, Lookit

Communication: Technical writing (4 funded grants, 8 published articles), liaising with directors and staff at 30+ research sites, communicating findings to scientists, educators, and laypeople via presentations (50+), newsletters, and blog posts. *Tools & Software*: Powerpoint, LaTeX, Word, Keynote.

Product Design: Design of experimental stimuli, including interactive toys. *Skills*: Soldering, basic electronics

Scientific Accomplishments

Select Publications

1. **Aboody, R.**, Velez-Ginorio, J., Santos, L. R., & Jara-Ettinger, J. (2023). Good teachers with poor assumptions: Adults rationally decide what to teach, but misrepresent learners' beliefs. *Cognitive Science.*
2. Yousif, S. R., **Aboody, R.**, & Keil, F. C. (2019). The Illusion of Consensus: A Failure to Distinguish Between True and False Consensus. *Psychological Science*. https://doi.org/10.1177/0956797619856844.
3. Gopnik, A., O'Grady, S., Lucas, C. G., Griffiths, T. L., Wente, A., Bridgers, S., **Aboody, R.**, Fung, H., Dahl, R. E. (2017). Changes in cognitive flexibility and hypothesis search across human life history from childhood to adolescence to adulthood. *Proceedings of the National Academy of Sciences*, 114(30), 7892-7899.

Select Awards

- NSF Postdoctoral Research Fellowship in Social and Behavioral Science ($138,000) 2022
- Yale Franke Interdisciplinary Award ($3,000) & Women Faculty Forum Grant ($2,000) 2020 - 2021

Other activities

- Micro-credential in Diversity and Inclusion, University of Rhode Island 2023
- Founder & Lead, the Open NSF SPRF Project 2022 - present
- Yale Psychology Committee on Diversity & Inclusiveness, Pipeline Initiative co-lead 2020 - 2022
- Mentor, Women in Science at Yale 2016 - 2017
- Speaker, Science in the News, Yale Science Diplomats 2016 - 2017