Lindsay Rait

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SUMMARY

- 8+ years of experience in designing and conducting experimental psychology and neuroimaging studies at top-tier research universities
- Managed the data collection process for 5+ research studies, collecting data from over 1,500 participants
- Prepared data and applied advanced statistical techniques to draw inferences from quantitative repeated measures and between-subjects data
- Mentored and taught 10+ undergraduate researchers in conducting human subjects research

EXPERIENCE

Graduate Researcher, University of Oregon   Sept 2019 – Present

- Designed 3 end-to-end projects to investigate how context influences human memory
- Recruited and collected data for 1,200+ research sessions that included behavioral outcomes, neuroimaging (fMRI), audio data, and self-report surveys
- Conducted extensive quantitative data analysis on 5,000+ row datasets using advanced statistical analyses including linear and logistic regression, multilevel modeling, and machine learning with R and Python
- Interpreted results and created clear visualizations and reports to effectively communicate insights through 6 conference presentations and 2 first-author papers
- Trained and mentored 10+ undergraduate researchers in experiment design, data analysis in R, and audio data transcription
- Recognized with over $4,000 in awards for exceptional mentorship and research contributions.

Instructor and Teaching Assistant, University of Oregon   Sept 2019 – Present

- Developed course materials and taught class on designing, analyzing, and communicating original research to non-expert students
- Evaluated user engagement, learning, and feedback to enhance course materials
- Taught incoming PhD students short, intensive R course

Research Scientist, Yale University   Jul 2017 – June 2019

- Collected and analyzed quantitative data for research study on prediction and memory, and communicated research findings through 2 conference presentations and 1 research report
- Recruited 200+ adult and infant participants through phone calls and emails for multiple research studies
- Managed and updated lab ethics protocol and website

Undergraduate Researcher, Cornell University   Jan 2015 – May 2017

- Designed, collected, and analyzed data for experimental research study investigating rodent memory
- Received $300 grant award and a stipend to continue research during two summers
- Trained, managed, and mentored a team of 5 junior peers
- Provided mentorship and hands-on behavioral neuroscience lab experience to high school student from underrepresented background

EDUCATION

Ph.D. in Cognitive Neuroscience, University of Oregon   Expected June 2025
M.S. in Psychology, University of Oregon   January 2021
B.A. *magna cum laude* **in Psychology**, **Minor in Statistics,** Cornell University   May 2017

SKILLS

Programming: R, Python, MATLAB, Bash/Shell, Git/Github
Statistical Analysis: A/B and multivariate testing, regression, multilevel modeling
Tools: Qualtrics, Microsoft Office, Adobe Creative Suite, Inquisit, Amazon MTurk, Prolific, Wordpress, Canva