

# LINDSAY RAIT

Eugene, OR | (516) 987-9369 | [lrait@uoregon.edu](mailto:lrait@uoregon.edu) | [linkedin.com/in/lindsayrait/](https://www.linkedin.com/in/lindsayrait/) | [lindsay-rait.github.io/](https://lindsay-rait.github.io/)

## SUMMARY

Cognitive Scientist with 8+ years of experience designing and leading human-subjects research, leveraging advanced quantitative and qualitative methods to understand how experiences shape memory. Skilled in collecting and analyzing high-dimensional, mixed-methods data to uncover key behavioral patterns and inform data-driven decisions. Proven ability to collaborate with cross-functional teams, mentor junior researchers, and communicate complex research findings to diverse stakeholders. Passionate about applying innovative, evidence-based approaches to drive impactful insights into human behavior.

## EXPERIENCE

### **Graduate Researcher**

*University of Oregon*

Sept 2019 – Present

Eugene, OR

- Led 5+ research studies with 1,400+ participants, using surveys and behavioral experiments to uncover how people adapt to new information, providing actionable insights that describe and predict user behavior
- Optimized research protocols through iterative design and user feedback, increasing data quality and user retention by 63%
- Developed R and Python scripts to clean and analyze high-dimensional datasets (5,000+ observations each) to standardize and streamline data processing and modeling pipelines, adopted by 4+ research projects
- Synthesized and communicated research findings through 6 conference presentations and 2 publications, effectively translating complex data into actionable insights for diverse stakeholders
- Developed training materials and mentored 10+ junior researchers in qualitative transcription analysis, establishing coding procedures to improve inter-rater reliability to >80%, ensuring consistency in findings
- Collaborated with cross-functional teams across 3 geographically distributed research groups, presenting findings quarterly to align stakeholders, refine methodologies, and implement data-driven improvements

### **Instructor and Teaching Assistant**

*University of Oregon*

Sept 2019 – June 2023

Eugene, OR

- Guided 12 incoming Ph.D. students through a short, intensive R programming course, simplifying complex statistical concepts for first-time users, leading to increased understanding
- Designed course materials and delivered lectures on research methodologies and scientific communication to classes of 20 non-expert students

### **Project Manager**

*Yale University*

Jul 2017 – June 2019

New Haven, CT

- Led a cross-functional research initiative funded by a \$2M grant, overseeing recruitment, database management, and stakeholder communication to ensure project success
- Applied machine learning techniques to analyze neuroimaging (fMRI) data, uncovering key patterns in brain activity that contributed to 2 conference presentations and 1 scientific publication
- Managed day-to-day operations for a research lab, coordinating 6 concurrent projects, overseeing 10+ staff members, and facilitating IRB reviews to ensure ethical compliance

## EDUCATION

**Ph.D. in Psychology**, *University of Oregon*

Expected May 2025

**M.S. in Psychology**, *University of Oregon*

January 2021

**B.A. in Psychology, Minor in Statistics**, *Cornell University*

May 2017

## TECHNICAL SKILLS

**Programming Languages:** R, Python, Git/Github

**Statistical Analysis:** Hypothesis testing, linear and logistic regression, multilevel modeling, time series analysis

**Research Methods:** A/B & multivariate testing, survey design, behavioral experiments, fMRI, data visualization

**Research Tools:** Inquisit, Slack, Qualtrics, Microsoft Suite, Google Suite, Adobe Illustrator, Wordpress, Canva