LINDSAY RAIT

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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

Quantitative Researcher   Sept 2019 – Present
University of Oregon   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%
- Used Excel data filters to clean and organize high-dimensional datasets (5,000+ observations each), then developed R and Python scripts analyze, 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   Sept 2019 – June 2023
University of Oregon   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   Jul 2017 – June 2019
Yale University   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*   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: Slack, Qualtrics, Microsoft Suite, Google Suite, Adobe Illustrator, Wordpress, Canva, Zotero