Jennifer K. Lenow

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Work Experience

Graduate Researcher, New York University **Fall 2013–Fall 2018**

- Researched the role of emotion in learning and decision-making, which led to multiple peer-reviewed journal and conference presentations. This involved formulating novel scientific questions; designing experiments; programming behavioral tasks; collecting, managing, and cleaning data; performing quantitative data analysis to test hypotheses and explore data; and interpreting and reporting on results.
- Collaborated and consulted on other projects by providing support in developing experimental designs, programming tasks, and performing data analysis.
- Planned and facilitated workshops on, and mentored students one-on-one, in quantitative methods.

Research Assistant, University of Arkansas for Medical Sciences **Fall 2011–Summer 2013**

Conducted literature reviews; performed and scored clinical patient interviews; designed behavioral experiments; programmed computer-based tasks; collected and conducted statistical analyses on behavioral and brain imaging data; prepared presentations, manuscripts, and federal grant applications.

Skills

Programming/Computing: R • MATLAB • JavaScript • Python • HTML/CSS • Stan • SQL • LaTeX
Data Analysis: Experimental design • A/B (hypothesis) testing • Hierarchical classification and regression models • Nonparametric statistics • Dimensionality reduction • Bayesian statistics • Computational modeling • Data visualization
Communication: Interpret and communicate results to a variety of different academic and non-academic audiences and stakeholders

Education

New York University, New York, New York **2013-2018**

Ph.D. in Cognition and Perception
National Science Foundation Graduate Research Fellowship Award

Hendrix College, Conway, Arkansas **2008-2012**

B.A. in Psychology
Magna Cum Laude, Phi Beta Kappa

Selected research projects

Foraging under stress, New York University

- Used experimental design to causally test the role of stress in economic foraging decisions (Python).
- Performed optimal task analysis and fit customized hierarchical regression models to behavioral data (R).

Anxiety and exploration, New York University

- Used questionnaires to measure anxiety and behavioral task to measure exploration (MATLAB).
- Combined and decomposed data from multiple experiments using dimensionality reduction techniques.
- Fit Bayesian hierarchical regression models to data (R, Stan).

Explaining suboptimality in foraging decisions, New York University

- Coded experiment to explore relationship between different decision-making mechanisms on Amazon's Mechanical Turk (JavaScript, HTML).
- Managed and cleaned large database of noisy experimental data.
- Estimated Reinforcement Learning models and regression models (R).