Camille Gasser, PhD

ccgasser@gmail.com • github • google scholar

SUMMARY

PhD in Cognitive Neuroscience with 8+ years of experience in leveraging data to answer questions about human behavior. Expert in a range of quantitative research methods, with a flexible, curious, and self-motivated approach to experimentation and data analysis.

EXPERIENCE

Data Science Intern August 2024 – present
Katch Data

- Conducted exploratory factor analysis (EFA) on a large-scale dataset to reduce 500+ movie attributes into 25 interpretable factors, enabling the creation of predictive models for generating movie recommendations

Senior Research Scientist Sept. 2019 – Dec. 2024
Columbia University

- Led 10+ in-depth projects on learning, memory, and decision-making, managing end-to-end workflows from experimental design to statistical analysis and reporting — resulting in 8 peer-reviewed publications and 15+ presentations at international conferences
- Leveraged diverse statistical methods to analyze large-scale, high-dimensional datasets (e.g., survey responses, fMRI data), keeping pace with evolving trends in behavioral science
- Crafted data-driven narratives and visualizations for cross-functional audiences (e.g., via slide decks, written reports, & dashboards)
- Established a novel summer training program to provide junior researchers with foundational skills in data analysis, statistics, and experimentation, with 50+ trainees admitted across 3 years
- Awarded honors and over $100K in individual research funding from the National Institutes of Health (NIH) & National Science Foundation (NSF)

Research Manager July 2017 – July 2019
New York University, Columbia University

- Integrated quantitative and qualitative methodologies across four collaborative research studies, ensuring robust research design, data collection, and statistical analysis for publication and reporting
- Managed end-to-end lab operations, including data management, grant preparation, and adherence with safety and regulatory standards

Undergraduate Research Scientist Sept. 2016 – May 2017
New York University

- Led an independent thesis project using predictive modeling to identify EEG signals indicative of future memory success

Research Intern Summer 2015 & 2016
Neuroscape, UC San Francisco

- Administered repetitive transcranial magnetic stimulation (rTMS) to participants to investigate the neural basis of episodic memory

EDUCATION

Columbia University
PhD in Cognitive Neuroscience, 2024
MA in Psychology, 2021
Advisor: Lila Davachi, PhD

New York University
BA in Psychology (with honors), 2017
Minor in Math & Computer Science
summa cum laude

SKILLS

- **Data analysis & statistics**

  regression analysis
  predictive modeling
  Frequentist statistics
  Bayesian statistics
  data visualization
  dimensionality reduction
  natural language processing (NLP)

- **Research methods**

  experimental design
  A/B testing
  survey development
  online experimentation
  experience sampling
  psychometric testing

- **Languages & tools**

  Python
  R
  SQL
  MATLAB
  command line (bash)
  git
  Markdown
  Qualtrics
  Microsoft Excel

- **Data communication**
- **Project management**
- **Problem-solving**
- **Technical writing**
- **Teaching & mentorship**