Camille Gasser, PhD

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PhD in Cognitive Neuroscience with 8+ years of expertise in leading empirical research that delivers insights about human cognition and behavior. Expert in a range of statistical and experimental methods, with a flexible, curious, and self-motivated approach to data analysis.

EDUCATION

Columbia University, PhD in Cognitive Neuroscience / Psychology **2024**
New York University, BA in Psychology, Minor in Computer Science & Math, *summa cum laude* **2017**

EXPERIENCE

Data Science Intern, *Katch Data* *(media analytics startup)* **August 2024 – February 2025**

- Built a data processing pipeline to clean and validate a high-dimensionality movie dataset (15K records)
- Performed exploratory factor analysis to distill 500+ movie attributes into 25 interpretable features for efficient embedding into custom AI models, with the goal of predicting consumer taste in movies

Lead Research Scientist, *Columbia University* **September 2019 – December 2024**

- Led 10+ research projects on learning and decision-making from design to analysis to reporting, securing $100K in federal funding and producing novel scientific insights that guided future research directions
- Designed and implemented 10+ behavioral experiments and surveys, using advanced statistical methods (e.g., regression, factor analysis) in R and Python to clean and analyze resulting datasets
- Communicated insights to technical & non-technical audiences through visualizations and written reports, with 8 peer-reviewed publications at top journals and 30+ presentations at local and international conferences
- Developed a GPT-based pipeline to automate scoring of 2K+ memory reports, converting qualitative recall data into numerical measures of memory quality; refined prompts to enhance scoring accuracy and consistency
- Designed and documented procedures for remote survey data collection, increasing participant recruitment rate by 25% and establishing best practices within the lab
- Designed a novel summer training program that provided 50+ junior researchers with foundational skills in research design and data analysis, managing a team of 15 graduate students, faculty, and administrators

Lab Manager, *New York University > Columbia University* **July 2017 – July 2019**

- Conducted data collection and analysis procedures for four collaborative research projects across local and international research sites, leading to three publications in top neuroscience journals
- Oversaw core lab operations for a team of 10-15 scientists — including data management, grant preparation, new employee onboarding, and adherence with safety and regulatory standards

Undergraduate Research Scientist, *New York University* **September 2016 – May 2017**

- Executed an independent research project using predictive modeling to identify EEG signals indicative of future memory success, earning a departmental award for outstanding undergraduate research

SKILLS

Research methods: experimental design (A/B testing), survey design, remote testing, sampling methods, longitudinal research, psychometric testing

Data analysis & statistics: hypothesis testing, linear regression, logistic regression, predictive modeling, classification, Bayesian inference, factor analysis, principal components analysis (PCA), natural language processing, data visualization, data normalization & manipulation, exploratory data analysis

Languages & tools: Python, R, SQL, Qualtrics, Tableau, Microsoft Excel, GitHub/git