

Samantha Freis, M.A.

Researcher with Expertise in Genetics, Mental Health, Cognitive Functions, and Human Behavior
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EDUCATION

Ph.D. , <i>Psychology: Behavioral, Psychiatric and Statistical Genetics, University of Colorado Boulder</i>	5/2024
M.A. , <i>Psychology, University of Colorado Boulder</i>	12/2021
Graduate Certificate in Quantitative Methods for Behavioral Sciences, <i>University of Colorado Boulder</i>	12/2021
B.S. , <i>Psychology, The University of Texas at Austin</i>	5/2017

SKILLS

Proficient: R, R Markdown, tidyverse, MPlus, REDcap, Qualtrics, Microsoft Office, quantitative research methods, descriptive and inferential statistics, structural equation modeling, behavioral genetics, scientific writing and communication, project management, data management, data visualization
Intermediate: Unix/Linux command line, OpenMX, SPSS, ArcGIS, QGIS, grant writing
Beginner: Python, Bayesian methods, bash, emacs, plink, LDPred, LDHub, GCTA, Git, GitHub, MATLAB

EXPERIENCE

Graduate Researcher , <i>Psychology, University of Colorado Boulder</i>	8/19-Present
<ul style="list-style-type: none">Led and assisted with literature reviews, statistical analyses, manuscript preparation, and grant writing; Collaborated on multiple studies with researchers across institutions and disciplines covering topics including cognitive functions, self-regulation, mental health, and substance use resulting in 2 first-authored peer-reviewed publications, 3 co-authored peer-reviewed publications, and 7 conference presentations	
Co-Director of Evaluation and Development , <i>Project SHORT</i>	5/22 - Present
<ul style="list-style-type: none">Designed, distributed, analyzed, visualized, and reported results of mentee and mentor end-of-cycle surveys to evaluate mentorship in Project SHORT and identified steps for growth and improvement.Cleaned, processed, analyzed, visualized, and reported results from user surveys.	
Teaching Assistant , <i>Psychology, University of Colorado Boulder</i>	8/19-5/20
<ul style="list-style-type: none">Led two lab sections per semester for Research Methods (PSYC 3111)Responsible for lecturing, engaging class in discussion, and grading coursework and projects	
Research Coordinator , <i>Population Research Center, The University of Texas at Austin</i>	5/17-5/19
<ul style="list-style-type: none">Recruited, trained, and supervised over 30 research assistants per semester in data collection, participant recruitment, and schedulingOrganized and managed research materials, lab databases, and executed quality control measures through data processing and cleaning	

RELEVANT COURSEWORK

Physiological Genetics	Methods Proseminar in Behavioral Genetics
Graduate Statistics	Statistical Programming in R
Structural Equation Modeling	Developmental Psychology
Individual Differences	Bayesian Methods

GRANTS, AWARDS, & FELLOWSHIPS

Carol Becker Lynch Award for Excellence in Behavior Genetics Research	2/22
National Science Foundation Graduate Research Fellowship Program Honorable Mention	3/21