

## Samantha Freis, M.A.

Researcher with Expertise in Genetics, Mental Health, Cognitive Functions, and Human Behavior  
freis.sam@gmail.com • www.sfreis.com

### EDUCATION

<b>Ph.D.</b> , <i>Psychology: Behavioral, Psychiatric and Statistical Genetics, University of Colorado Boulder</i>	5/2024
<b>M.A.</b> , <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>B.S.</b> , <i>Psychology, The University of Texas at Austin</i>	5/2017

### EXPERIENCE

<b>Graduate Researcher</b> , <i>Psychology, University of Colorado Boulder</i>	8/19-Present
<ul style="list-style-type: none"><li>Developed data processing and analysis pipelines for behavioral and survey data</li><li>Identified gaps in existing research and executed literature reviews, study designs, statistical analyses, and manuscript preparation resulting in multiple first-authored peer-reviewed publications</li><li>Synthesized and translated research findings through departmental and conference presentations, invited talks, and interviews</li><li>Received a predoctoral training fellowship to advance knowledge on genetic and environmental influences on cognitive functions and mental health</li><li>Collaborated on numerous projects with interdisciplinary researchers resulting in multiple co-authored peer-reviewed publications</li></ul>	
<b>Co-Director of Evaluation and Development</b> , <i>Project SHORT</i>	5/22 - Present
<ul style="list-style-type: none"><li>Designed, distributed, analyzed, visualized, and reported results of mentee and mentor surveys to evaluate user experience and mentorship in Project SHORT</li><li>Identified and communicated steps for program growth and improvement</li></ul>	
<b>Teaching Assistant</b> , <i>Psychology, University of Colorado Boulder</i>	8/19-5/20
<ul style="list-style-type: none"><li>Led four lab sections for Psychology Research Methods</li><li>Facilitated knowledge transfer through lecturing, discussion, and grading</li></ul>	
<b>Research Coordinator</b> , <i>Population Research Center, The University of Texas at Austin</i>	5/17-5/19
<ul style="list-style-type: none"><li>Recruited, trained, and supervised over 30 research assistants per semester in data collection, data entry, and participant recruitment and scheduling</li><li>Managed research materials and lab databases</li></ul>	

### SKILLS

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

### RELEVANT COURSEWORK

Physiological Genetics	Methods Proseminar in Behavioral Genetics
Graduate Statistics	Statistical Programming in R
Structural Equation Modeling	Bioinformatics

### 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