# Sam (Samantha) Freis, M.A.

Quantitative Researcher with Expertise in Psychology and Human Behavior

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## SKILLS

**Programming & Data Visualization:** R, R Markdown, tidyverse, ggplot2, M*plus*, SPSS, Unix/Linux command line
**Techniques:** Quantitative research, data management, data analysis, descriptive, inferential, and multivariate statistics, structural equation modeling, project management
**Tools:** REDcap, Qualtrics, MS Office (Word, PowerPoint, Excel), Google Workspace, toggl, ArcGIS, GitHub
**Communication:** Scientific writing and communication, leadership, public speaking, grant writing, web copy writing

## EDUCATION

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|---|---|
| **Ph.D.**, *Psychology: Behavioral, Psychiatric and Statistical Genetics, University of Colorado Boulder* | 2024 |
| **M.A.**, *Psychology, University of Colorado Boulder* | 2021 |
| Graduate Certificate in Quantitative Methods for Behavioral Sciences | 2021 |
| **B.S.**, Psychology, *The University of Texas at Austin* | Special Honors | High Honors | 2017 |

## EXPERIENCE

**Co-Director of Evaluation and Development,** *Project SHORT*     2022-Present
- Designed, distributed, analyzed, visualized, and reported insights from 1,000+ surveys per year to evaluate enrollment and user experience
- Identified user pain points from survey data and communicated program growth and improvement solutions to fellow members of the executive board

**Graduate Researcher**, *Psychology, University of Colorado Boulder*     2019-Present
- Identified gaps in existing research and executed literature reviews, study designs, survey and behavioral data processing, statistical analyses, and manuscript preparation resulting in 6 first-authored scientific publications and presentations
- Collaborated on numerous projects with cross-functional research teams resulting in 7 co-authored publications and presentations
- Synthesized, translated, and communicated research insights to diverse audiences through departmental presentations, invited talks, and interviews
- Completed 4 evaluations of manuscripts for scholarly journals and provided constructive feedback for improving statistical analyses and insight communication
- Received a predoctoral training fellowship of $50,000+ in tuition and stipend funding per year to advance knowledge on genetic and environmental influences on cognitive functions and mental health
- Served on the Diversity, Equity, and Inclusion committee and consulted on efforts and initiatives aimed to improve inclusiveness and workplace culture
- Awarded the Carol Becker Lynch Award for Excellence in Behavior Genetics Research and a National Science Foundation Graduate Research Fellowship Program Honorable Mention

**Teaching Assistant**, *Psychology, University of Colorado Boulder*     2019-2020
- Facilitated knowledge transfer through lecturing, teaching the R programming language, promoting discussion, and grading coursework
- Received a combined evaluation rating of 95% across 4 courses and 60 students

**Research Coordinator**, *Population Research Center, The University of Texas at Austin*     2017-2019
- Recruited, trained, and supervised a team of 30+ research assistants per semester in data collection, data entry, and participant recruitment and scheduling
- Founded a bi-weekly research oriented professional development newsletter to enhance skills and opportunities for research assistants
- Managed research materials and 10+ lab databases, assisted with budgetary tasks, and coordinated lab event scheduling