SAM FREIS

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CAREER ACHIEVEMENTS

5+ years of experience in coordinating, designing, executing, and analyzing complex research projects to advance understanding of human behavior, cognition, and mental health, resulting in 10 first-author scientific publications and presentations, 15 co-author scientific publications and presentations, $150,000+ in tuition and stipend funding, and a $2,000 award for excellence in research.

WORK EXPERIENCE

05/2022 - present

PROJECT SHORT
The first student-led organization committed to working to shrink the socioeconomic gap in medical and graduate school
Co-Director of Evaluation and Development | Remote
- Designed surveys in Qualtrics to gather feedback and used R to triangulate, analyze, and visualize qualitative and quantitative data from 1,000+ participants
- Delivered actionable insights to an 18-person executive board, leading to increased support and resources for 2,100+ students and 1,000+ mentors

08/2019 - present

INSTITUTE FOR BEHAVIORAL GENETICS, UNIVERSITY OF COLORADO BOULDER
An internationally acclaimed research facility that administers $50 million total grant dollars through ~40 grant-funded research projects
Researcher & Laboratory Instructor | On-site
- Led 5 end-to-end research projects that included 200,000+ total participants using quantitative methods and R, including exploratory data analysis, model evaluation and interpretation, structural equation modeling, and data visualization to gain insights into genetic and environmental influences on cognitive functions and mental health
- Provided statistical, methodological, and domain expertise to 5 large-scale research projects with cross-functional teams and stakeholders across 8+ departments resulting in 12 co-author publications and presentations that advanced knowledge on human behavior
- Delivered instruction in behavioral science, research methods, experimental design, AB tests, the R programming language, and statistics to 60 students, achieving a 95% combined satisfaction rate

05/2017 - 06/2019

POPULATION RESEARCH CENTER, THE UNIVERSITY OF TEXAS AT AUSTIN
A cross-functional center supporting cutting-edge research using a population-level approach to understanding social problems and promoting human health and well-being
Research Coordinator & Project Manager | On-site
- Enhanced lab efficiency and data quality by creating a research coordinator manual, automating tasks with reproducible code, managing 10+ databases in REDcap with 1,000+ participants, and implementing data quality control measures
- Developed reports and presentations using Excel, R, Tableau, and PowerPoint to ensure stakeholders were informed of data collection and quality developments
- Trained and led a team of 20+ research assistants each semester in ethical research practices, data collection, psychometric testing, data entry, and participant recruitment and scheduling

SKILLS
- R, SQL, Mplus, SPSS, MS Office, GitHub, Tableau

EDUCATION
University of Colorado Boulder, Ph.D., Psychology, Certificate in Quantitative Methods for Behavioral Sciences
University of Colorado Boulder, M.A., Psychology
The University of Texas at Austin, B.S., Psychology, Biology Minor