

# Sean Vieau

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## Profile

Driven by a profound commitment to advancing clinical research and maximizing human well-being, my life's mission is to make a meaningful impact through biostatistics

With three years of research experience—including two years of data management and analysis—my critical thinking skills, adaptability, and 1.5 years of Master's coursework poise me to be an exceptional Statistical Programmer for your team.

My experience in neuroscience, neurology, dermatology, and mental health makes me particularly well-suited to support Rho's specialized clinical research in these fields!

## Education

 PRESENT

📍 COLORADO SCHOOL OF PUBLIC HEALTH,  
(3/4 COMPLETE)

**Applied Biostatistics | M.P.H.  
Health Analytics & Data Science | Certificate**

**Skills Showcase (Please See Website):**

- Planned and carried out data management in SAS including data cleaning/data checks, documentation, and analytic data set creation
- Performed advanced analyses including linear mixed models, multiple linear regression with confounding and interaction, generalized mixed models, and predictive modelling
- Authored program in Python for automated data cleaning essential to research project
- Executed rigorous statistical analyses and data manipulation in R and SAS, from raw datasets to comprehensive reports. Handled missing data, addressed assumptions and outliers, and performed model selection

### Relevant Coursework

|                               |                           |
|-------------------------------|---------------------------|
| Data Management Using SAS     | Statistical Computing-SAS |
| Python Programming            | R for Data Science        |
| Practical Data Wrangling      | Epidemiology              |
| Applied Biostatistics I & II  | Advanced Data Analytics   |
| Clinical Research Informatics | Statistical Consulting    |

2014 - 2019 MSU DENVER

**Psychology | B.A. - Biology | B.S  
Chemistry | Minor**

GPA : 3.96 (Top 5% of program)

## Work Experience

07/2022 - 01/2024

**Professional Research Assistant**  
**C.U. Anschutz Neuroscience Lab**

- Utilized critical thinking and communication skills to collaborate effectively with team members, ensuring thorough data checks and adherence to high-quality standards, culminating in a successful publication
- Translated complex research questions into actionable surgical and experimental insights

01/2021 – 06/2022

**Professional Research Assistant**  
**C.U. Anschutz Gates Center for Regenerative**  
**Medicine | Dermatology**

- Played a pivotal role in securing ongoing grants and milestones, including a \$250,000 checkpoint
- Leveraged expertise in histological analysis and immunohistochemistry staining to generate high-quality data from skin tissue samples, demonstrating strong technical skills in dermatology research
- Generated key data for forthcoming publication

05/2016 – 05/2018

**President | Mentor**  
**MSU Denver Psychology Research Club**

- Maintained data integrity, executed data interpretation, preparation of technical reports, manuscripts, posters, and presentations
- Authored IRB submission and ensured adherence to research protocols and HIPAA compliance
- Took lead in analyzing data of 15 research projects, co-authored 16 studies presented at conferences

## Skills

# SAS Programming

## Statistical Programming (R)

## Data Analysis

## Data Cleaning

Interpersonal

## Communication

## Awards

## Outstanding Empirical Research (2x)

Rocky Mountain Psychological Association

**Outstanding Researcher Award | Promising Teacher Award**

MSU Denver Department of Psychological Sciences