

Rebecca Janis, Ph.D.

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EXPERIENCE

The Center for Collegiate Mental Health, Penn State University

Associate Director of Data Science (*May 2022-Present*)

Research Data Analyst (*2018-2022*)

Graduate Researcher (*2014-2018*)

Directs data and research efforts for a network of 700 centers contributing longitudinal mental health data from 1,000,000+ clients.

Programming

- Converted all legacy data cleaning and analysis code from SPSS to R (Tidyverse & data.table), making data processes more efficient and reproducible.
- Developed R packages that standardize data management, analysis, and reporting, reducing time to clean data and produce routine reports from weeks to hours.
- Built public-facing Shiny apps used by hundreds of counseling centers to better allocate mental health services and advocate for more resources.

Modeling

- Built an algorithm and early warning system predicting client failure to improve during treatment – used daily by 7,000+ therapists.
- Used mixed effects modeling and machine learning methods to predict clinical outcomes such as client recovery trajectories, risk of suicide attempts, and resource utilization.

Reporting

- Generated and published industry-leading annual reports using R Markdown that present trends in college student mental health.
- Created visualizations conveying complex data to a non-technical audience in a digestible manner.
- Produced standardized reporting templates and online reporting platforms, allowing hundreds of counseling centers to view key metrics from their local data in comparison to national benchmarks.

Research

- Published 23 articles in peer reviewed academic journals.
- Collaborated with interdisciplinary teams within and outside Penn State to produce research on psychotherapy and college student mental health.
- Gave talks presenting research at international academic conferences.
- Managed and mentored junior graduate students and undergraduate research assistants.

EDUCATION

Ph.D. Psychology

Pennsylvania State University (2020)

M.S. Psychology

Pennsylvania State University (2017)

B.S. Psychology

Brigham Young University (2014)

- *Magna Cum Laude*
- *Psychology Valedictorian*

SKILLS

Software & Programming Languages

- R (advanced)
- Python (basic)
- SQL
- Git
- SPSS
- Tableau

Proficiencies: regressions, mixed effects modeling, structural equation modeling, data visualization, R Shiny application development, R package development, R Markdown

Academic publications available upon request.

 rebeccajanis.com

 github.com/rbjanis