Robert D. Henry

Holland, MI | rdhenry8@gmail.com | (815) 993-6811 | he/him/his
LinkedIn | Google Scholar | Website

Education

Ph.D. (May 2023)	Psychology (Quantitative Methods & Developmental Psychopathology) UNIVERSITY OF UTAH, Salt Lake City, UT *Dissertation: Using Smartphone-Based Digital Phenotyping to Characterize Prenatal Maternal Mental Health: A Theory-Driven Approach*
M.S. (Aug 2019)	Clinical Psychology UNIVERSITY OF UTAH, Salt Lake City, UT
B.A. (May 2017)	Psychology and Biology (*Magna Cum Laude*) Minor: Neuroscience HOPE COLLEGE, Holland, MI

Skillset & Expertise

- Statistical Programming: R / R Studio (primary), Mplus, SPSS, SQL, Python, Jamovi, HLM
- Other Tools: Azure Databricks, Git, LaTeX, Microsoft Excel
- Statistical Methods: Multilevel modeling, structural equation modeling, machine learning (e.g., penalized regression, random forest), survival, digital data wrangling, Monte Carlo simulations, power analysis
- Documentation: Statistical analysis plans (SAPs), R Markdown, reproducible workflows
- Dissemination: Scientific and non-scientific writing, tutorials, teaching

Relevant Experience

Assistant Professor & Frost Research Fellow – Hope College, Holland, MI (July 2023–Present)
- Supervise undergraduate research assistants in digital research (e.g., data collection, analysis, writing)
- Provide statistical consulting for faculty across the social sciences to move research forward (Frost Center)
- Teach undergraduate course in the Psychology Department (e.g., Research Methods, Psychometrics)

Freelance Statistician – Self-Employed (Mar 2023–Present)
- Provide statistical consulting for digital health and clinical research teams as well as individual consulting
- Analyze longitudinal digital health-related data and disseminate findings to client(s) and stakeholder(s)

Advanced Analyst II – Meijer, Grand Rapids, MI (Apr 2023–July 2023)
- Delivered consumer insights using predictive modeling and data mining
- Presented findings to executives and cross-functional analytics teams

Quantitative Research Associate – Twill, New York, NY (July 2022–Mar 2023)
- Primary statistician for digital mental health RCTs and observational studies
- Authored SAPs and executed high-level multivariate models for internal- and external-facing dissemination

Statistical Consultant / Data Analyst – Calm, University of Utah, Ogden Raptors Prof. Baseball (2019–2022)
- Cleaned meditation app usage data and ran regression models (Calm)
- Provided advanced statistical analytic support to dozens of students and faculty (Univ. of Utah)
- Built Trackman data analytics dashboards in R for coaching staff and players (Ogden Raptors)

Selected Publications & Projects

- Enhancing Reliability and Reproducibility Tutorial in R (under review)
- Machine Learning and Birth Outcomes, *BMC Pregnancy & Childbirth* (2024)
- Twill RCT: Digital Mental Health Intervention for Teens, *JMIR* (2024)
- Digital Phenotyping and Lifespan Transitions, *Frontiers in Psychiatry* (2021)
- Calm RCT: Meditation App to Treat Sleep Disturbance, *PLOS ONE* (2021)

Relevant Certifications

- Principles of Management, Coursera (Credential #: CAGPREHUUPP5G)
- Good Clinical Practice for Clinical Investigation of Devices, CITI Program
- Conflicts of Interest, CITI Program
- Information Privacy and Security, CITI Program
- Good Clinical Practice (FDA Focus), CITI Program
- Responsible Conduct of Research, CITI Program
- Social/Behavioral Research Course, CITI Program