KELSEY MARTINEZ, PHD

Salt Lake City, UT
815-529-7066
kelsey.anne.martinez@gmail.com

PROFILE

Outcome-driven technical leader and mentor with an extensive history of producing sound analytical products. Experienced in communication with experts and non-experts. Able to learn new skills quickly and independently.

EDUCATION

2014-2018 Syracuse University
PhD, Biology

2012-2014 Southern Illinois University
MS, Plant Biology

2008-2012 Knox College
BA, Environmental Studies

EXPERIENCE

2020-present **Utah Data Research Center,** Utah System of Higher Education / Workforce Services
Research Manager

- Hire and mentor a team of 4 researchers on statistics and technical writing
- Manage production of up to 8 analytic products at a time
- Create and implement standard operating procedures (SOPs) for an analytics team
- Ensure statistical analyses are properly used and interpreted in reports
- Communicate results to stakeholders
- Maintain a working knowledge of a complex relational database (BigQuery)
- Stay up to date on relevant primary literature and statistical methods

2019-2020 **Utah Data Research Center,** Workforce Services, State of Utah
Researcher

- Authored research that told compelling stories about education, workforce, and economic data; including the creation of data visualizations in R
- Wrote complex SQL queries
- Employed linear models, logistic regression, tree models, and classification algorithms in R

2012-2018 **Syracuse University & Southern Illinois University**
Graduate Research and Teaching Assistant

- Taught laboratory and field-based biology courses to undergraduate students
- Performed research from hypothesis design to final publication in peer-reviewed journals
  - Employed mixed methods models, nonlinear models, survival analysis & multivariate models
  - Google Scholar Profile
- Successfully authored and was PI on a National Science Foundation research grant

SKILLS

Scientific method and experimental design

Scientific research and publication

Team mentoring

Statistical modeling (frequentist & Bayesian)

R, SAS, SQL, HTML5, CSS & GitHub

Project management

Google Cloud Platform (BigQuery & Vertex AI)

Tableau