Duncan J. Mayer | Quantitative Social Scientist

E-mail: DuncanMayer77@gmail.com   *Phone:* 609.571.5739   *Location:* Lakewood Ohio, USA
Web: duncan-mayer.github.io   *Twitter:* @Duncan_Mayer   *LinkedIn:* duncan-mayer   *Github:* duncan-mayer

Summary

I am a quantitative social scientist (data scientist) with nearly a decade of experience with research and data analysis. I maintain good coding practices and am comfortable building, evaluating, and interpreting everything from well known algorithms to bespoke models. I bring domain expertise in organizational theory and the use of data in organizations.

Education

Case Western Reserve University
PhD in Social Welfare   2023
Marywood University
Master's of Social Work   2017
Bachelor's of Social Work   2015

Recent Professional Experience

BeVera Solutions (Atlanta, GA)

Statistician   2022-present
- Statistical lead for 3 white papers for the NCIRD
- Automated reporting of data quality for principal stakeholders

Case Western Reserve University (Cleveland, OH)

Data Scientist   2020-2022
- Statistical lead (data collection and modeling) for multiple projects
- Published multiple first author papers including novel methodologies and state of the art applications
- Communicated methods and insights in over 5 technical talks at scientific conferences and over 150 hours of course lectures

Data Analyst   2018-2020
- Co-authored 3 funded research papers paring survey and administrative data
- Developed programming courses for the data science for social good certificate

The Institute for Public Policy and Economic Development (Wilkes-Barre, PA)

Research Analyst   2017-2018
- Co-authored 11 funded research papers
- Delivered results to local stakeholders through presentations

Select Distinctions

Mandel School of Applied Social Sciences Research Fellow (2018-2022)
Social Justice Institute Research Fellow (2022)
ARNOVA Doctoral Fellow (2022)

Skills

Team and project management
Technical Writing
Data visualization

Programming:

R (8 years)
SQL (3 years)
Stan (3 years)
Python (1 year)

Statistics:

Expertise in:
Exploratory data analysis
Linear models
Hierarchical models
Model comparison
Bayesian inference
Spatial statistics
Longitudinal data analysis

Familiarity with:
Experimentation
Forecasting
Neural networks

References and a full list of publications and presentations is available upon request