

Emilio D. Rivera, M.S.

Doctoral Candidate

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Personal Website/Portfolio: <https://www.edrresearch.com/>

PROFILE SUMMARY

- Over 8 years of research experience utilizing multiple types of research strategies (qualitative/quantitative).
- 8-years' experience in survey design and analytics.
- 5-years' experience in project management, specifically managing multiple projects simultaneously within multi-disciplinary teams.
- Experienced in data analytics, with both quantitative and qualitative data.
- Experienced in analyzing big data from multiple sources.
- Knowledge of multiple data processing and programming languages (e.g., R, SAS, MPlus, SQL, Python).
- Excellent communication, analytical, problem solving and coordination skills.
- Eagerness to learn and adapt.
- Willing to relocate.

KEY TECHNICAL SKILLS

- Research Methodology
- Big Data, Multilevel Data
- Predictive Analyses, Regression, Group Differences
- Quantitative Research
- Survey Design and Optimization
- Non-technical Writing and Presentations
- Data Analytics
- Data Processing/Maintenance
- Data languages: SAS, SPSS, R, SQL, Python
- Qualitative Research
- Online Research Methodology
- Project Management and Mentorship

ACADEMIC CREDENTIALS

- University of Wyoming, Laramie, WY **Period: August 2018 - May 2023**
 - **Doctorate (Ph.D.), Experimental Psychology** (Expected May 2023)
 - **Master of Science (M.S.), Experimental Psychology** (December 2020)
- Kansas State University, Manhattan, KS. **Period: August 2013-May 2018**
 - **Bachelor of Science (B.S.), Social Psychology** (May 2018)

WORK EXPERIENCE

Graduate Researcher (University of Wyoming): August 2018-Current:

Key Skills and Responsibilities:

- Responsible for data analytics for multiple large-scale projects to gain insight into human behavior and decision-making processes.
- Managed multiple research projects simultaneously in order to create efficiency across projects and maintain deadlines.
- Gained in-depth experience in both quantitative and qualitative research.
- Designed, maintained, and tracked data collection processes to maintain accurate data throughout the research process.
- Designed and implemented procedures surrounding best practices and standard procedures throughout the research processes.
- Mentored and trained new research assistants to maintain quality and effectiveness of research teams.
- Collaborated across multi-disciplinary research teams to create well-rounded projects.
- Built and maintained knowledge of multiple data processing languages (R, SAS, SPSS, SQL).
- Used predictive modeling techniques to best analyze both complex multi-source (Big Data) data sets and longitudinal research.
- Experience with multiple data analytic techniques, such as predictive modeling, group-differences, and correlational techniques.
- Designed multiple difference scale and surveys by using best practices (factor analysis, cluster analysis, scale optimization) for accuracy.
- Used research findings to make practical recommendations and to gain complex human/person centered insights.
- Responsible for writing and presentation of research insights in both technical and non-technical formats.

Undergraduate Researcher (Kansas State University): January 2015-July 2018

Key Skills and Responsibilities:

- Responsible for data analytics for multiple projects to gain insight into human behavior and decision-making processes.
- Experience in both online and in-person research proctoring.
- Gained experience in both technical writing and non-technical public speaking.
- Gained experience in survey design and optimization using many different software platforms (Qualtrics, Survey Monkey).
- Used multiple analytic techniques, such as regression, group differences, and correlational designs.
- Used multiple scale and survey creation techniques, such as factor analysis, cluster analysis, and scale optimization strategies.
- Gained experience using multiple data languages, such as SPSS and R.
- Gained in-depth experience with quantitative research.

PROFESSIONAL CERTIFICATIONS

IBM Data Science Professional Certification (December 2022)

Key Skills and Responsibilities:

- Gained in-depth knowledge surrounding data analytics, including integrating data from multiple sources with both Python and SQL.
- Gained in-depth knowledge of machine learning principles and strategies using the PyTorch, NumPy, and TensorFlow languages.