

RYAN M. MCMANUS, PH.D.

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SUMMARY

I am a quantitative psychologist and researcher with 8+ years of experience in project management and data analytics. I have led and managed the design and execution of more than 10 research projects on human behavior, judgment, and decision-making, as well as 2 projects on misuses of inferential statistical procedures in academic research. Using quantitative approaches, I have collected and analyzed data from more than 20,000 participants resulting in 6 publications, 2 pre-prints, and 5 conference talks. I am passionate about applying my quantitative expertise to address important social issues and solve significant business problems.

SKILLS

Research Methods & Experimental Design	Designed and led 10+ research projects using a variety of research methods (e.g., surveys, behavioral experiments, archival data)
Advanced Statistical Approaches	Strong foundation in graduate-level inferential statistics: t-tests, ANOVAs, multiple regression, multi-level modeling, structural equation modeling, missing data analysis, and non-parametric alternatives
Writing and Communication	Excellent verbal and writing skills gained through presenting talks and posters at academic conferences, publishing papers , and writing tutorials on methods/statistics.
Programming and Software	Highly skilled in cleaning, visualizing, and analyzing data in R, Python, MPlus, and SPSS (and am currently learning SQL). Experienced in creating neatly organized and shareable .html summary files using RNotebooks and Python JupyterNotebooks

EXPERIENCE

Quantitative Psychologist (Boston College, 2018 – 2023)

- ❖ Led 10+ collaborative research projects on moral psychology and methods/statistics
- ❖ Managed multi-person teams of junior graduate students, research assistants, and thesis students
- ❖ Designed dozens of correlational and experimental surveys using Qualtrics, Mturk, and Prolific
- ❖ Cleaned, visualized, and analyzed data using R, Python, and SPSS
- ❖ Distilled and communicated complex ideas for academic talks, [publications](#), and [lay audiences](#)

Data Analyst (Institutional Research, California State University, Northridge, 2017 – 2018)

- ❖ Organized and transformed large student datasets using Excel and R
- ❖ Analyzed student data to assess impact of campus intervention programs (e.g., retention, GPA, etc.)
- ❖ Wrote reports for superiors to inform colleges of programs' effectiveness

Statistics / Research Methods Tutor (California State University, Northridge, 2016 – 2018)

- ❖ Tutored students in inferential statistics theory and research methods
- ❖ Assisted students in extracting data from survey software and transforming it into analysis format
- ❖ Aided students in interpreting analysis output and writing reports for courses, theses, and dissertations

EDUCATION

2018 – 2023	Ph.D., Experimental Psychology & Neuroscience (Boston College) Minor: Quantitative and Computational Methods
2016 – 2018	M.A., Experimental Psychology (California State University, Northridge)
2009 – 2012	B.A., Psychology (California University of Pennsylvania)