ARIANNE HERRERA-BENNETT   PHD

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EDUCATION

University of California Davis
DAVIS, CA, US | 2020 – 2021
Postdoc: Quantitative Methods

Ludwig Maximilian University of Munich
MUNICH, BY, DE | 2013 – 2019
PhD / Master's: Research Psychology

University of Toronto
TORONTO, ON, CA | 2007 – 2012
B.Sc. Hons: Research Psychology

SKILLS

Research & Analysis
Research planning and design;
Survey development and validation;
Experimental design; A/B testing;
Cognitive & behavioral research;
Data collection & analysis;
Multivariate methods;
Descriptive & inferential statistics;
Data synthesis & meta-analysis

Programming & Technical Tools
R; SQL; SPSS; E-Prime; Microsoft Office;
Excel; Power BI; SurveyMonkey; Adobe PS

Strong Verbal & Written Skills in Communicating Research Findings
Conference presentations; publications;
teaching; student mentoring & supervision;
statistical tutoring; ad-hoc reviewer;
multi-disciplinary collaborations

ABOUT ME

Quantitative researcher passionate about meta-research.

Effective research and data analytics combine macro and micro perspectives. My goal is to couple elements of frontend design with statistical techniques, in order to find novel ways to solve complex challenges.

EXPERIENCE & PROJECTS

Big Data Analyst
Eindhoven University of Technology, Netherlands | 2022

- Responsible for the extraction, cleansing, and transformation of relational databases (*Coursera*)

Post-doctoral Researcher
University of California Davis, CA, United States | 2020 – 2021

- Ran resampling technique to test the effect of scale precision on replicability of cross-sectional networks

Research & Statistics Lecturer
Ludwig Maximilian University, Munich, Germany | 2017 – 2018

- Taught graduate statistics course with focus on survey construction, improvement, and validation
- Taught graduate seminar on research methods (high-powered lab-based experimental designs)

Graduate Researcher
Ludwig Maximilian University, Munich, Germany | 2013 – 2019

- Validated and improved instructional effectiveness for online users in large data set via A/B testing
- Ran k-fold cross-validation analyses across data sets to explore predictors of study replicability
- Investigated the effects of common research practices on bias in Monte Carlo simulated meta-analyses