

Yrian Derreumaux

yrian.derreumaux@gmail.com | 518-653-1364 | [LinkedIn](#) | [Google Scholar](#) | [GitHub](#) | [Website](#)

EDUCATION

Ph.D., M.A., Social Psychology **2018-2023**
University of California, Riverside

B.A., Psychology with Honors (*cum laude*) **2016-2018**
San Francisco State University

SUMMARY

Bringing over seven years of experience, I am an accomplished behavior researcher and data scientist skilled in spearheading research projects, driving exploratory analysis, inferential statistics, and data visualizations. I am proficient in developing experimental, survey, and longitudinal designs, known for my ability to extract meaningful insights from data and articulate complex findings to stakeholders with clarity. My background in fast-paced startup environments has honed my abilities to excel under pressure and collaborate effectively with cross-functional teams.

EXPERIENCE

Co-Founder & Data Scientist – Zesty Startup **Jan 2021–Present**

- Co-founder of [getzesty.app](#), an AI-powered platforms where users can create, share, and organize recipes
- Leveraged data-driven insights from usability testing and surveys to inform design and wireframing (Figma)
- Improved user retention rates by 30% via the design and implementation of a TensorFlow and TFX-based collaborative filtering system for personalized recipe recommendations
- Conducted A/B testing and analyzed log data using inferential statistics on Google Cloud Platform (GCP)

Doctoral Researcher & Teaching Assistant – University of California, Riverside **Aug 2018–May 2023**

- Led 20+ research projects examining belief updating using behavioral experiments and survey methods
- Applied advanced statistical and computational models to test key hypotheses, including multilevel modeling, structural equation modeling, generalized linear models, Bayesian, drift diffusion, and sentiment analysis
- Published 4+first-author publications in [leading psychology journals](#) and 25 + presentations at scientific conferences and department seminars
- Provided mentorship and supervision to over 15 undergraduate students, offering guidance on various aspects of research projects, including survey design, data collection, wrangling, analysis, and presentation techniques
- Developed and delivered lectures to 300+ students annually on research methodologies, inferential statistics, and data visualization, maintaining a high average evaluation rating of 6.6 out of 7

Lab Manager – San Francisco State University **Aug 2017 – June 2018**

- Established effective systems and processes for planning, executing, and monitoring multi-year projects, overseeing all aspects from IRB approval and data collection to finances and data analysis
- Coordinated with key stakeholders and applied practical research methods such as surveys, experimental designs, and data analysis techniques to ensure project success

SKILLS

- **Programming & Tools:** SQL | R | Python | Git | GitHub | Bash | Qualtrics | Figma | GCP | LaTeX | Jira
- **Skills:** user research | survey design | exploratory data analysis | descriptive statistics | data visualization | inferential statistics | causal inference | longitudinal modeling | drift diffusion modeling | Bayesian modeling | sentiment analysis | regression | propensity scores | usability testing | recommendation systems | collaborative filtering | psychometrics | psychology | technical writing | communication | team management | data wrangling | predictive modeling | forecasting | interviewing | machine learning | natural language processing