

Krissina Alari

Hayward, CA | (510) 209-4343 | krissialari@berkeley.edu | [linkedin.com/in/k-alari](https://www.linkedin.com/in/k-alari) | Website: kalari.netlify.app

+ PROFESSIONAL SUMMARY

Statistics graduate student at UC Berkeley with a passion for all things statistics and data science. Has over two years of experience working in statistics research and five years of experience working in STEM education. Comfortable with frequentist and Bayesian methodology. Knowledgeable in the areas of statistical modeling, optimization, machine learning, and data visualization. Experienced with the languages and technologies of R, Python, SAS, SQL, Bash/Unix, Git/GitHub, LaTeX, and Tableau.

+ EDUCATION

- ⊙ **University of California, Berkeley** – Berkeley, CA 2022
 - Statistics MA Student
 - GPA: 3.80/4.00

- ⊙ **California State University, Monterey Bay** – Seaside, CA 2021
 - Mathematics BS, Statistics Minor
 - GPA: 4.00/4.00
 - Graduated Summa Cum Laude

+ WORK EXPERIENCE

- ⊙ **Data Science Consultant** – D-Lab – Berkeley, CA Jan 2022 – Present
 - Provides data science and statistics consulting to graduate students, visiting scholars, and UC Berkeley staff in the areas of research design, data analysis, data management, and related techniques and technologies

- ⊙ **Undergraduate Researcher** – California State University, Monterey Bay – Salinas, CA Jan 2021 – May 2021
 - Implemented sequential testing for bacteria testing procedures at local farms, which reduced sample sizes and improved efficiency up to 87%
 - Produced a technical report that outlined statistical methodology, simulation results, and applied examples
 - Developed an interactive R Shiny applet that guides users through their statistical analysis

- ⊙ **Instructional Assistant** – California State University, Monterey Bay – Seaside, CA Jan 2020 – May 2021
 - Provided instructional support for courses in introductory statistics and generalized linear models
 - Collaborated with professors and co-workers to evaluate the efficiency and accuracy of student work

- ⊙ **Student Researcher** – Undergraduate Research Opportunities Center – Seaside, CA June 2019 – Dec 2020
 - Constructed data simulations in R to study the behavior of statistical methods
 - Published a manuscript on the application of Bayesian statistics to measurement comparison studies
 - Developed an interactive R Shiny applet that produces analysis results, interpretations, and visualizations

- ⊙ **Statistics Consultant** – Bureau of Land Management – Marina, CA Feb 2020 – May 2020
 - Identified effective treatments among experimental plant groups using nonparametric statistics
 - Compiled and cleaned six years' worth of research data using R and Excel
 - Created data visualizations for reports and presentations using ggplot2

+ PROJECTS

- ⊙ **Genetic Algorithm R Package** Nov 2021 – Dec 2021
 - Developed an R package that utilizes a genetic algorithm for variable selection in the context of regression
 - Utilized GitHub for version control and collaborative programming amongst colleagues
 - Implemented assertive programming techniques and developed stochastic test cases to evaluate performance