

FELICIA CRUZ

feliciamcruz@bren.ucsb.edu | (661) 974-4994 | [LinkedIn](#) | [GitHub](#) | fmcruz23.github.io | Goleta, CA

EDUCATION

Master of Environmental Data Science, 4.0 GPA (June 2022)

Bren School of Environmental Science & Management, University of California, Santa Barbara (UCSB)

Highlighted Coursework: Remote Sensing, Spatial Analysis, Statistics for Environmental Data Science, Machine Learning, Data Visualization and Communication

Teaching Assistant: Managerial Economics (10/21–12/21, 4/22–6/22)

Bachelor of Arts in Environmental Studies | Bachelor of Arts in Economics, 3.84 GPA (June 2021)

University of California, Santa Barbara

Highlighted Coursework: Data Wrangling for Economics, GIS for Environmental Applications, Econometrics, Energy and the Environment, Environmental Economics

Honors/Awards: College of Letters & Science Honors Program, Dean's Honors, High Honors at graduation

Leadership/Involvement: Captain of UCSB Club Ultimate Frisbee Team (6/19–6/21)

DATA SCIENCE PROJECTS

Visualizing Anthropogenic Stressors of Coral Reefs in Moorea (1/22–6/22)

Role: Project Manager | Client: Moorea LTER | Master's Capstone Project

- Visualize 15 years of long-term biological and physical data across 200 sites pertaining to spatial and temporal patterns of anthropogenic stressors on Moorea coral reefs
- Develop and design an interactive and sustainable Shiny application including nitrogen and coral bleaching visualizations to be used by researchers, UCSB students, and local stakeholders in Moorea

ArcGIS Analysis of California Heat Waves (10/19–12/19)

- Explored how socioeconomic factors contributed to California regions being vulnerable to heat waves
- Utilized different data layers to visualize vulnerable areas and compiled an in-depth written analysis

PROFESSIONAL EXPERIENCE

Student Assistant – Bren School Academic Programs, Goleta, CA (10/21–6/22)

- Develop R scripts to streamline faculty workload reports and quarterly class schedules
- Assist with scheduling logistics at Bren, collaborate with the assistant dean to develop and deploy academic surveys and program assessments, and serve as a liaison between Academic Programs and Bren students

Research Analyst, Economic Forecast Project – UCSB Department of Economics, Goleta, CA (10/20–6/21)

- Utilized R to clean and analyze datasets dealing with demographics and community indicators to make conclusions about the overall well-being and economic trends of Santa Barbara County
- Analyzed environmental datasets (e.g., air pollution, water quality, energy consumption) to visualize time-series trends and write analyses communicating research conclusions to a non-technical audience
- Collaborated with senior research analysts to maintain an updated website with all figures and analyses to educate the greater Santa Barbara community

Peer Advisor – UCSB Undergraduate Department of Economics, Goleta, CA (2/20–6/21)

- Communicated department policies and assisted students in creating and completing their 4-year plans (e.g., class schedules, graduation requirements) by offering individualized help and guidance
- Collaborated closely with full-time advisors to address individual student situations and concerns

SKILLS

Programming Languages: R, Python, SQL

Technical: ArcGIS, Stata, GitHub, Slack, Tableau, Microsoft Office Suite (Excel, Word, PowerPoint), Google Suite