

Gordon Blasco

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I am a data scientist with a strong programming and statistical skill set, excellent attention to detail, and experience using modern data science workflows to formulate and answer complex research questions.

Education

B.S. in Environmental Studies 3.6 GPA – Graduate level coursework in data analysis
University of California Santa Barbara

2019

Professional Experience

IBM Corporation

Data Scientist

(1.25 yrs.) 2021-Present

- Translated and migrated numerous fraud detection SQL queries from Snowflake's to Databricks' platform
- Conducted rapid turnaround statistical analyses for analytical projects on constrained schedules
- Modeled excess hospitalizations attributable to extreme heat events (manuscript in production)
- Created a professional data dashboard to clients that is now sold as a data product
- Handled the acquisition and processing of highly sensitive hospital discharge and surgical encounter data
- Designed and implemented an R-based report generation tool for a complex and heterogeneous input that led to decreased processing time on data creation tasks

National Center for Ecological Analysis and Synthesis

Data Scientist

(2 yrs.) 2019 - 2021

- Contributed to projects focused on human impacts on natural systems primarily through a spatial lens
- Conducted exploratory analysis, modeling, and spatial analysis on large heterogeneous datasets using R
- Produced reproducible, efficient, and version-controlled R code via Github for collaborative science
- Lead and supported the preparation of scientific manuscripts for peer-reviewed publication
- Performed literature review to inform research questions and guide future analysis

Santa Barbara Coastal Long-Term Ecological Research Project (UCSB)

Research Assistant

(3 yrs.) 2017 - 2019

- Worked with principal investigators and technical staff to complete federally funded research projects
- Became proficient implementing common analytical methods used in environmental research in R
- Extensive lab experience working with chemical reagents and biological samples, as well as operating sensitive analytical equipment (i.e. mass spectrometer and spectroscope)

Skills

R, Excel, SQL, Access, Python - Proficient in all stages of the data pipeline, including pulling and cleaning data, exploratory analysis, hypothesis refinement, inferential and predictive modeling (Linear and Logistic Regression, Random Forests, Clustering) and dashboard creation (Shiny). **5 years experience**

Excellent verbal and written communication skills – Experience writing statistical briefs and research memos, presenting findings to various levels of stakeholders, as well as publishing scientific manuscripts.

Selected Publications

Blasco, G.D., Ferraro, D.M., Cottrell, R.S., Halpern, B.S., Froehlich, H.E. (2020). Substantial gaps in the current fisheries data landscape. *Frontiers in Marine Science*.

Tuholske, C., Halpern, B.S., **Blasco, G.D.**, et al. (2021). Mapping global inputs and impacts of human sewage in coastal ecosystems. *PLOS One*.

Clawson, G., Kuempel, C.D., Frazier, M., **Blasco, G.D.**, et al. (2021). Mapping the spatial distribution of global mariculture production. *Aquaculture*.

Projects, data dashboards, and code available at: <https://github.com/GordonBlasco>