Patrick Barajas

Data Science | Data Visualization | Machine Learning | Tidy Data

Professional Statement

Undergraduate education in experimental psychology, with a strong background in quantitative analysis and scientific methodology. Curious and motivated problem solver. Adaptable and able to work well in both group and solo environments.

Profile

Name:
Patrick Barajas
Location:
Orange CA
Phone:
(714) 520-1057
Email:
barajaspatrick@gmail.com
Website:
barajaspatrick.github.io

Skills

Languages:

- Python
- R
- SQL
- Matlab

Software:

- TIBCO Spotfire
- Tableau
- SPSS

Tools & Skills:

- Data Wrangling and cleanup with *Pandas* and *Dplyr*
- Multiple regression, Bayesian Analysis, KNN, PCA, Decision Trees, Hypothesis testing.
- Data Visualization. Matplotlib, Seaborn, Plotly, ggPlot2.

Work Experience

Event & Marketing Manager
United States Collegiate Archery Association. 2016 - 2018

- Assisted in orchestrating long-term company growth strategy.
- Developed translatable experience in navigating a dynamic and mandating work environment with continuously evolving objectives.
- Was able to quickly learn and apply new skills to fill in gaps, ranging from Web development to transportation logistics.

Research Assistant - Stress Emotion and Physiology Lab
University of California Irvine, School of Social Science. 2016 - 2017

- Leader in data cleaning and preliminary hypothesis testing.
- Automated the data cleaning pipeline saving the lab 100+ hours of time by independently writing R scripts.
- Guided over 100 participants through experimental trials, each trial lasting from 20 - 45 minutes.

Research Assistant - Digital Learning Lab
University of California Irvine, School of Education. 2015 - 2016

- Experienced in leading a small research team to meet grant deadlines.
- Operated the final data analysis for yearly lab report.
- Presented study findings at the 2016 UCI Undergraduate Research Symposium.

Education

2018 - Present
University of California Irvine Continuing Education Program. *Data Science Certification*

2014 - 2016
University of California Irvine *B.A. Psychology, Minor in Biology*

MOOC

2016-2017
Data Science Specialization
A 10-course specialization by Johns Hopkins University on Coursera.

2017
Python for Data Science and Machine Learning
Completed python for data science and machine learning boot camp.