David Ranzolin
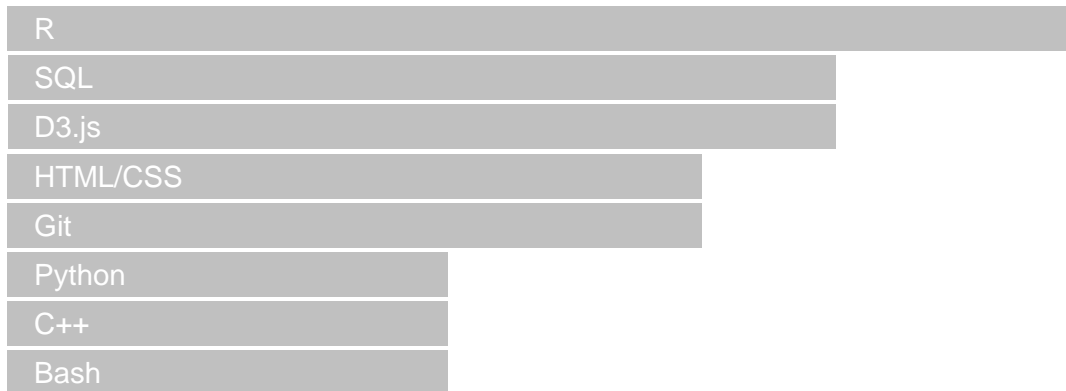
707-299-9216 | daranzolin@gmail.com | daranzolin.github.io | daranzolin | dranzolin

Overview

Skilled analyst, developer, and GIS specialist who can get, clean, analyze, and communicate data.

Languages

R	
SQL	
D3.js	
HTML/CSS	
Git	
Python	
C++	
Bash	

Experience

San Francisco State University   *San Francisco, CA*

SENIOR INSTITUTIONAL RESEARCH ANALYST   *Apr 2019 - Present*

- Senior Analyst and creator of multiple internal R packages. Within the packages are plot and table themes, connections to various databases and APIs, report, slide, and project templates, calculations, and other utility functions. Architect for small ETL projects.

UCSC Extension Silicon Valley   *Santa Clara, CA*

DATA ANALYST   *Jan 2017 - Mar 2019*

- Gathered, cleaned, assembled, and visualized data; performed analytical studies on a variety of policies, programs and issues; and participated in administrative policy and program planning and development. Assisted the Senior Business Analyst with ETL solutions. Cognos Analytics report author and trainer. Data Governance Group Chair. Knowledge base administrator (Confluence).

Scout from University of California   *Santa Clara, CA*

DATA ANALYST   *Feb 2014 - Dec 2016*

- Conducted a variety of analyses requiring knowledge of: (1) University administrative organization, policies, procedures, and practices; (2) K-12 online education; (3) instructional design; and (4) statistical methods. Staff Advisory Board member.

Education

Emory University

MASTER OF THEOLOGICAL STUDIES   *2011 - 2013*

Pacific Union College

BA IN RELIGIOUS STUDIES/BA IN ENGLISH   *2005 - 2009*

UCSC Extension Silicon Valley

CERTIFICATE IN DATABASE AND DATA ANALYTICS   *2014 - 2016*

UC Davis

SPECIALIZATION IN GEOGRAPHIC INFORMATION SYSTEMS   *2017 - 2018*

Awards

Staff Appreciation and Recognition Award (2x)

SCOUT FROM UNIVERSITY OF CALIFORNIA   *2015, 2016*

- In recognition of exemplary performance and contributions.

Myki Mobley Award

EMORY UNIVERSITY   *2013*

- For outstanding academic performance.

Software

API Clients

- **rcanvas** - R Client for your Canvas LMS. Get student data, copy courses, grade students, etc.
- **rperseus** - Texts from the ancient world and a toolkit to unpack them. rOpenSci reviewed.
- **rEvalKit** - R Client for the EvaluationKit REST API.

Data Visualization

- **compareBars** - Simplify comparative bar charts in R with d3.js.
- **countem** - Cycle through counts of variables with d3.js.
- **clockwork** - Create radial line charts with d3.js.
- **d3rain** - 'Raindrop' visualizations in R with d3.js.
- **pinpoint** - Interactively explore a distribution with d3.js.
- **quickglobe** - Interactive 3D globe built with d3.js.
- **California School District Diversity** - Shiny app exploring discrepancies between student/teacher diversity.

RStudio Addins

- **compareAreas** - Compare areas across square meters, kilometers, feet, miles, and acres.
- **ViewPipeSteps** - Generate View() tabs for each step in a pipe chain.

Other

- **barah** - Fashion a pattern out of chaotic data. Built with Rcpp.
- **funcreporter** - A function and Shiny gadget to render Rmd templates.
- **inferregex** - Infer the regular expression (regex) of a string.
- **intermittent** - An S3 class to work with term data.
- **kapow** - Detonate R objects and assign the remains to an environment of your choice.
- **textych** - Create interactive text parallels.

Talks

- **R for Everything: Getting, Cleaning, Visualizing, and Analyzing Data** - Talk delivered at the California Association for Institutional Research (CAIR), 2016.
- **Improving the Student's Digital Experience** - Talk delivered at the Jenzabar Annual Meetings (JAM), 2018.
- **Building Internal R Packages** - Talk delivered at CAIR, 2019.
- **Commute Distance and Student Success** - Co-presenter at CAIR, 2019.

Volunteering

- Teacher Assistant at New American Pathways, 2011
- Instructor at Lee Arrendale State Prison, 2012
- GED/Literacy Tutor at Elmwood Correctional Facility, 2014 - 2015
- Staff Advisory Board Member at UC Santa Cruz, 2015 - 2018