

Experienced data scientist skilled in business intelligence, statistical modeling, R, and solution development. Demonstrated ability to mine and clean heterogeneous datasets. Strong background in statistics. Personable and engaging.

Skills: Python, R, SQL, Tableau, VBA, Tableau Prep, Looker, D3.js, Java, Git, APIs, DL, NLP, ML, Data Mining, Tensorflow, C++

Professional Experience

SmithRx, August 2021- Present

Data Scientist

Design visualizations and data reports that tell a clear story to existing and potential customers.

- Created company standard for Business Intelligence Reporting complete with a color palette, logo, and font that I implemented using Tableau.
- Designed and published dashboards that highlight client performance in terms of savings for external clients and for internal purposes narrow down areas of deficiencies. I created these in Tableau first and then in Looker.
- I created a "Data Helpdesk" page on Jira to help the data team as it grew from me to 8 people so that we could keep track of ad hoc data requests and projects. This was integrated with Slack so that we could accept tickets seamlessly.

Bamboo Insurance, October 2019 – August 2021

Data Scientist

Orchestrate statistical analysis for insurance pricing and develop monthly and quarterly reports in Tableau that feed in live production data with SQL to display trends and forecast. Create models of loss history and demographics data. Utilize R to wrangle data and automate reporting by creating scripts to clean, impute, and format data to send through encrypted email.

- Enabled savings up to \$500 per claim through identification of statistically significant correlations between demographic variables within claims data at 95% confidence.
- Developed predictive decision tree model for approval of moderate wildfire risk policies to override manual process.
- Eliminated entire workday/month in preparation for monthly business review meetings via Tableau dashboards.

CA Department of Justice, October 2018 - September 2019

Graduate Research Assistant

Provided insight into previously inaccessible data through static and dynamic reports in R and Tableau based on cleaned and parsed criminal data for 500M+ records for CA AG's OpenJustice Website. Trained ten team members on model fitting

- Spearheaded unit transition from SAS to R that delivered new visualization and statistical testing functionality.
- Cut ten manual data entry hours/week via standardized R code for data cleaning for internal datacenter submission.

California Dental Association, April 2018 - September 2018

Business Intelligence Analyst

Mined and analyzed data to deliver insight into customer behavior. Collaborated with marketing teams to formulate strategic responses to data outcomes. Leveraged SurveyMonkey data and Google Analytics.

- Improved Tableau reporting accuracy by converting internal reports to link dynamically to Amazon Redshift database.
- Created call center call drop dashboard that boosted productivity to 90%.

Adventist Health, July 2017 - April 2018

Physician Contract Analyst

Identified areas in need of improvement and created dashboards and tools to enhance accuracy and efficiency. Utilized SQL server data to facilitate signing process for expiring agreements.

- Saved ten hours/week through conversion of Excel spreadsheets with 900+ pay specifications to MS Access database.

Education

M.S. in Data Science, Southern Methodist University, Dallas, TX (December 2019)

A Data Driven Approach to Forecast Demand, <https://scholar.smu.edu/datasciencereview/vol2/iss3/1/> (12/2019)

Bachelor of Arts, Statistics and Economics, University of California, Davis, CA (June 2017)