Hannah Kosinovsky, M.S.
Data Scientist

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Dynamic, technically sophisticated data expert skilled in statistical modeling, R, and solution development. Demonstrated ability to mine and clean heterogeneous datasets. Strong background in statistics. Over three years of progressive experience. Personable and engaging with the communication skills needed to articulate insights into complex operations.

Professional Experience

Bamboo Insurance, October 2019 - Present
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 forecasts for non-technical team members. Create models of loss history and demographics data. Utilize R to automate reporting to agents by creating scripts to send data 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.
- Saved two hours/day through automation of agent reporting.
- 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.

- Reduced workload and 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+ unique pay specifications into physician compensation MS Access database.

Center for Educational Effectiveness, March 2016 - January 2017
Programmer

Leveraged R ShinyDashboard packages to create high-quality, interactive data visualizations for professors and deans to improve learning outcomes. Implemented statistical analysis on relationship between demographics and admissions.

Education & Skills

M.S. in Data Science, Southern Methodist University, Dallas, TX (December 2019)
Bachelor of Arts, Statistics and Economics, University of California, Davis, CA (June 2017)
A Data Driven Approach to Forecast Demand, https://scholar.smu.edu/datasciencereview/vol2/iss3/1/ (12/2019)

Languages & Tools: *R, Python, SQL, VBA, Tableau, D3.js, Tableau Prep, Processing+*