Hannah Wise, M.S.

hannochkamichelle@gmail.com • (650) 200-5733
https://www.linkedin.com/in/hannochka/• Olympia, WA

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.

<u>Skills</u>: *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 End to End data solutions for our Client Reconciliation Financial process by gathering KPI requirements from stakeholders, finding relevant data in our core tables, documenting table design for our DE team, implementing views in our Snowflake analytics layer, creating complex Looker Explores in our Looker based Data model while documenting changes appropriately in Git. This project allowed our Sales team to proactively prevent client churn and win business.
- Designed test cases for UAT for our database migration collaboratively with Data Engineering
- Created our internal Jira "Data Helpdesk" to manage ad hoc tickets from stakeholders on other teams.

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)