

Jasmine Riggs

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WORK EXPERIENCE

Trella Health

Remote

Data Quality Analyst, Data Science & Engineering

May 2022 – Present

- Serve as key technical resource for data governance related work, including documentation of standard terminology, metric definitions, and creating metadata while following HIPAA and GDPR regulations
- Compare multiple large databases containing ~6,000 datasets each by reverse engineering upstream scripts to trace source of discrepancy
- Create Tableau dashboards from scratch to visualize data quality metrics, revamping our processes and improving our data quality by over 30%
- Develop complex SQL scripts and run them in Snowflake to isolate data anomalies and present findings to team of Data Scientists, Application Developers, and Product Management staff
- Apply machine learning techniques such as Random Cut Forest using Python to automatically identify shifts in trends or potential data outliers, cutting down QA process time down by 20%

Mercer

Phoenix, AZ

Senior Actuarial Analyst

Jun 2020 – Apr 2022

- Created 8 trend models using linear regression and moving average to calculate annualized trend factors for utilization, unit cost, and PMPM (per member per month) rates using monthly claims data
- Developed a forecasting model incorporating Monte Carlo simulation to assist clients and team to estimate stop loss premiums by analyzing the potential claims volatility at various thresholds
- Utilized SAS/SQL daily to extract complex healthcare datasets containing 4 million+ rows, which includes claims, eligibility data, and financial reports from Managed Care organizations to perform risk analyses within Excel used in our rate development process
- Modernized data streamlining processes by developing VBA macros to transfer certain metrics from 15+ Excel models into Word documents to create financial reconciliation reports

Nationwide Mutual Insurance

Scottsdale, AZ

Pricing Actuarial Analyst Intern

May 2019 – Mar 2020

- Built a rating algorithm using Excel and VBA which calculated premium rates for any given insured by carefully examining each state's rules manuals for 5 different P&C insurance coverages to help sales agents accurately provide quotes
- Produced 20+ rate indications for homeowner's insurance by pulling claims data using SQL, calculating loss trends, and making educated assumptions to determine final rate change

Actuarial Strategies and Tactics, Inc.

Scottsdale, AZ

Consulting Actuarial Analyst Intern

Aug 2019 – Dec 2019

- Designed dynamic dashboards in Excel and Tableau displaying 12 different insurance KPIs (Key performance Indicators) of 500+ insurance agents using dynamic tables, graphs, and map charts
- Improved data aggregating processes by creating R code to compile raw CSV files from our clients into one large database, saving about 10 hours per week of work

Blue Cross Blue Shield of Arizona

Phoenix, AZ

Data Analyst Intern, Data Science & Informatics

Dec 2018 – May 2019

- Independently discovered two costly revenue codes in our data then created a financial impact model and presented it to the team, effectively saving the company over \$1.2 million
- Optimized SQL queries to summarize health care claims data which generated summary reports for PCMH payouts to support value-based care, saving our team time for more ambiguous projects

EDUCATION

Arizona State University

Tempe, AZ

Bachelor of Science: Mathematics (Statistics) / Honors: Cum Laude

Graduation Date: May 2020

Actuarial Exams Passed: SOA Exam FM (Financial Mathematics)

Passed: December 2018

LANGUAGES & TECHNOLOGIES

Languages: SQL, SAS, Python (Pandas, NumPy, Matplotlib, Seaborn), R (dplyr, ggplot2, R Markdown), VBA, Java

Technologies: Snowflake, Jira, Git (Bitbucket), Confluence, Azure DevOps, SAS Enterprise Guide, Jupyter Notebook, R Studio, Excel, Tableau, TeamCity, Amazon S3

Other: Agile, ETL Processes, SDLC, Healthcare Analytics, Claims Data, Statistics, Insurance Data, Medicaid, Medicare