CAVAN DONOHOE

Looking to improve your company's data workflow

I am working as a Senior Statistical Programmer Analyst in Menlo Park, CA at GRAIL and love getting challenged at my current role. I have a level of expertise in both R and Excel that helps me both manipulate and analyze data as well as automate monthly tedious tasks. With the mind of a tutor, I make sure to document everything and answer questions quickly and efficiently when I explain my methodology to coworkers or clients. I am reaching out to companies and teams with needs for data science improvement to reduce human error and increase efficiency. Reach out to me if you have a project we can work on together or just reach out for a conversation.

EDUCATION

2018

Bachelor of Science
University of California, Irvine — Irvine, CA

- Major in Mathematics
- Minor in Statistics

PROFESSIONAL EXPERIENCE

February 2021 -

Senior Statistical Programmer Analyst
GRAIL — Menlo Park, CA

- Author and maintain new R Packages used on cross production within entire company
- Perform Code Reviews and Independent Analysis for cancer and subject level datasets
- Create new R Markdowns to display hundreds of TFLs (Tables, Figures, and Listings) in order to assess clinical trial accuracy
- Create and document new Derived Variables for ongoing studies using Git for collaboration and R for coding
- Create a timeline visualizer for significant cancer screenings and events leading to an eventual diagnosis using R Shiny Output
- Provide statistical programming support to data cleaning and locking activities, pre-defined and exploratory analysis, formal reports, publications, presentations, and new statistical methodologies
- Work closely with biostatisticians to create data and analysis program specifications based on the statistical analysis plan (SAP)
- Maintain complete and auditable programming documentation for analysis of clinical studies
- Contribute to the development, documentation and maintenance of a reusable programming code library
- Create a timeline visualizer for significant cancer screenings and events leading to an eventual diagnosis using R Shiny Output
- Write unit tests to ensure programmatic updates will be compatible to previous versions

April 2020 | January 2021

Reporting Analyst
24 Hour Home Care — El Segundo, CA

- Automated a weekly report that calculates the Accounts Receivable aging for our company. This weekly report is now being calculated in R and automatically sends an email formatted in HTML with CSS to show summary tables and a highlighted list of achievements
- Imported, Cleaned, Manipulated, and Visualized data for ad hoc dashboard requests
- Assumed role of Analytics team liaison to other teams within the company
- Automated batch invoice emails via R for use between teams to run
- Connected R to Azure Web App to allow for script driven data exports now allowing for automated exports saving teams hundreds of hours per year

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CONTACT INFO

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SKILLS

Expert in Microsoft Excel and Wide Knowledge of VBA (pivot tables, vlookups, sumifts, etc.)

Expert in R (tidyverse, RODBC, blastula (email automation), openxslx, APIs, automation, data manipulation, R Markdown, etc.)

Literally made this resume and website using R

*This resume was made with the R package **pagedown***

Last updated on 2023-03-14.

January 2019 | March 2020

Actuarial Analyst
HMSA — Honolulu, HI

- Automated the CRG (Community Rated Groups) Band Renewal Process in R (4 hour process that now takes 1 minute)
- Developed the demographic and plan risk factors for AMS and Underwriting Department (now automated in R)
- Worked on mandatory ACA rate filing
- Automated the Mental Health Parity process for hundreds of plans
- Automated the Forecasting Model with user friendly Excel and R integration for obtaining data and easing the process
- Automated a tedious CRG proposal process that previously took an hour and now takes 4 seconds
- Explained processes with easily read documentation and hosted meetings to explain modeling changes and methodologies
- Fit empirical distributions to theoretical distributions using Kolmogorov-Smirnov tests and Maximum Likelihood Estimation in R while splitting every single partition of a sample in a time efficient manor

AWARDS

BAS UCLA Case Competition Finalist (Project Presentation and Project Memorandum)

CREDENTIALS

Passed 3 Actuarial Exams