CAVAN DONOHOE

Looking to improve your company's data workflow

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. Let's have a chat so I can help your data from beginning to end.

CONTACT INFO

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☎ (805) 404-3321

🎓 EDUCATION

2018

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

• Major in Mathematics
• Minor in Statistics

💼 PROFESSIONAL EXPERIENCE

February 2021 | August 2024

Senior Statistical Programmer Analyst
GRAIL   📍 Menlo Park, CA

• Authored and maintained new R Packages used on cross production within entire company
• Performed Code Reviews and Independent Analysis for cancer and subject level datasets
• Created new R Markdowns to display hundreds of TFLs (Tables, Figures, and Listings) in order to assess clinical trial accuracy
• Created and documented new Derived Variables for ongoing studies using Git for collaboratio, R for coding, and AWS for cloud storage
• Created a timeline visualizer for significant cancer screenings and events leading to an eventual diagnosis using R Shiny Output
• Maintained complete and auditable programming documentation for analysis of clinical studies
• Provided statistical programming support to data cleaning and locking activities, pre-defined and exploratory analysis, formal reports, publications, presentations, and new statistical methodologies
• Worked closely with biostatisticians to create data and analysis program specifications based on the statistical analysis plan (SAP) and Statistical Process Control
• Contributed to the development, documentation and maintenance of a reusable programming code library
• Write unit tests to ensure programmatic updates will be compatible to previous versions
• Utilize R programming to analyze survival data and assess risk factors

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 2024-08-16.

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

Actuarial Analyst

January 2019 | March 2020

HMSA   Honolulu, HI

- Automated the CRG (Community Rated Groups) Band Renewal Process in R (8 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