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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○ github.com/cavandonohoe

in linkedin.com/in/cavan-donohoe/

📞 (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 Data Scientist
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 collaboration, R for coding, and AWS for cloud storage using CDISC standards (SDTM, ADaM, CDASH) for clinical trial data management
- 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
- Utilized R programming to analyze survival data and assess risk factors
- Managed the installation and configuration of R packages across multiple environments, ensuring compatibility and stability

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

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 2024-08-27.

Actuarial Analyst

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

January 2019 | March 2020

🏅 AWARDS

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

🗒 CREDENTIALS

Passed 3 Actuarial Exams