ubc science co-op
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PARKER RAM

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Statistics Major, 4th year
github.com/ParkerRam

TECHNICAL SKILLS

- Programming: R, Python, PostgreSQL, Java, C++, Matlab
- Tools & Technologies: Git, Looker, Periscope, Tidyverse, Rvest, NumPy, Pandas, Seaborn, Scikit-learn

TECHNICAL WORK EXPERIENCE

Data Analyst, Base Marketing (Co-op) Apr 2019 – Present
FreshBooks Inc

- Presenting data-driven insights to stakeholders looking to target specific customer demographics to minimize churn and maximize client win back
- Conducting end to end analysis starting from extracting raw data and data wrangling to statistical analyses or building out dashboards
- Designing, writing and implementing new reports in LookML to productionize ad-hoc analyses
- Querying data from Amazon Redshift for A/B testing new campaign treatments and analyzing customer trends

Teaching Assistant (CPSC 221 – Intro to Data Structures & Algorithms) Jan 2019 – Apr 2019
The University of British Columbia

- Hold regular office hours answering student questions on course material
- Guide students through algorithmic C++ programming assignments (eg. maze solver using stacks and queues)

TECHNICAL PROJECTS / ASSIGNMENTS

Powerlifting Data Analysis using Python (Personal) Jan 2019 – May 2019

- Utilized data visualizations to investigate if drug-tested federations contain weaker competitors and the key factors effecting overall strength
- Quantitatively confirmed suspicions from visualizations using hypothesis testing
- Trained a linear model with a polynomial basis to predict an athlete's bodyweight achieving a RMSE of 0.202 on the test set
- Applied computing packages such as NumPy, Pandas, Matplotlib, Seaborn and Scikit-learn to clean visualize and model the data

Chronic Kidney Disease Dataset Analysis (Academic) Mar 2019 – Apr 2019

- Investigated key health indicators for chronic kidney disease using visualizations and correlation analysis
- Found that hemoglobin levels, packed cell volume, red blood cell count, diabetes mellitus, hypertension, albumin and specific gravity to have highest predictive power, agreeing with literature
- Achieved 100% accuracy using KNN to classify whether a patient has kidney disease or not

Buses R Us Android Application (Academic) Feb 2018 – Apr 2018

- Familiarized self with existing code base to finish implementation of application
- Communicated with Translink API to give users real-time updates on bus arrivals
- Wrote a JSON parser to extract information and display this information on a map
- Rigorously tested code using Junit

EDUCATION

BSc (Statistics), The University of British Columbia Expected Graduation: May 2021

- Coursework: Data Structures & Algorithms, Software Construction, Machine Learning & Data Mining, Intro to Statistical Inference, Finding Relationships in Data, Time Series & Forecasting

EXPERIENCE

VP Powerlifting Jan 2017 – Present
UBC Weightlifting & Powerlifting