Nathan Castle

Education

Simon Fraser University, Beedie School of Business   **Burnaby, BC**
Major: Bachelor of Business Administration   *Expected Graduation: Fall 2022*
- o   Specializations: Finance and Management Information Systems
- o   Relevant Coursework: Business Analytics, Data and Decisions, Business Technology Management

Minor: Statistics
- o   Emphasis: Data Science
- o   Relevant Coursework: Data Science with R, Analysis of Observational Data, Calculus

Skills

- o   Languages/Software: R, SQL, Python, Git, Microsoft Office, Tableau
- o   Extra Courses/Certifications: Data Analytics Skills Camp (KPMG), Data Analytics Certificate (Google), Google Analytics Certificate

Professional Experience

FISPAN Services Inc.   **Vancouver, BC**
Finance Analyst (Co-op)   *May 2021 – Current*
- o   Enhanced department managers spend utilization by preparing/analyzing budgeting and forecasting templates for all company departments, which led to a YTD company variance of ~6% underbudget
- o   Provided rigorous data analysis on all account transactions to develop a historical and forecasted revenue model based on customer, leading to a ~90% decrease in revenue report generation

Raymond James Ltd. (RJL)   **Vancouver, BC**
Accounts Payable Specialist (Co-op)   *January 2020 – April 2021*
- o   Performed data analysis in Excel to decrease the electronic budget expenditure variance by ~4%
- o   Displayed a meticulous attention to detail by managing the accuracy and timeliness of over ~$500,000 in invoices a month allowing for smooth month end closings

Relevant Projects

Vancouver Datajam Hackathon   **Vancouver, BC**
Vancouver Island Health SPEAK Survey Visualization   *September 2021 – September 2021*
- o   Tasked with creating an R package to visualize and interpret the SPEAK Survey on the experiences of BC residents with the provincial response to the COVID-19 pandemic
- o   Member of the modelling/analysis team that explored, cleaned, and visualized over 140,000 observations relating to the SPEAK 1 & 2 surveys
- o   Created functions that help visualize and analyze survey response data to help provide insights into both survey data and areas for Vancouver Island Health to explore further

Simon Fraser University, Business Analytics   **Vancouver, BC**
Diabetes Risk Prediction   *April 2021 – April 2021*
- o   Created a pre-diabetes screening questionnaire with diabetes data from the Sylhet Diabetes Hospital in Bangladesh using basic machine learning models
- o   Analysis consisted of summary statistics, plots, and correlations to identify any abnormalities in the data, while also controlling for a confounding variable by creating age buckets
- o   Used classification and regression trees with a training and test data set while also applying k-fold cross validation due to a sampling problem with normal splits, which led to an accuracy of ~88.5%