

Skills

- Statistical Methods, Data Mining, Cleansing and Modeling
- Advanced use of Excel (VBA)
- Programming in R, C++, SQL (Cloud SQL)
- Financial Forecasting and Business Intelligence (Tableau)
- Data Visualization and Reporting through R (ggplot2), Excel, RMarkdown (LaTeX), PowerPoint

Education

The University of British Columbia, Vancouver - Bachelor of Arts

May 2018 - April 2022

- Major in Economics, Minor in Statistics - Graduated with Distinction

Google Data Analytics Certificate - Coursera

Excel/VBA for Creative Problem Solving Specialization - Coursera

Experience

Etchers Private Limited - Research Analyst, Remote

April 2022 - Present

- Automated data cleaning via hand-coded VBA scripts in Excel, saving 150+ hours over 2 months.
- Formulated visualizations and analytical reports in Tableau for domain experts and stakeholders.
- Worked closely alongside experts to deliberate reasons for correlation and outliers in domains of healthcare, population, finance, and education for preparation of district level government gazette.

AIESEC LDE - Business Consultant, Indonesia

June 2019 - August 2019

- Used Excel to forecast seasonal increases in demand and align raw material ordering with seasonal fluctuations reducing raw produce wastes by 4%.
- Designed an interactive dashboard in Excel for customer breakdown based on monthly sales records.
- Developed marketing strategies using the dashboard to extend presence in previously untapped tourist spheres leading to an increase in sales of ~6% in only the second month of implementation.

Projects

Efficiency of the Vancouver ER System

- Modeled efficient transfers between hospitals, leading to an estimated total reduction of 10+ hours in wait times per day during periods of low use, upto 90+ hours of reduction in periods of high use.
- Web scraped 150+ data points using R (RSelenium) for each of the 17 Vancouver Emergency Room wait times, and used Google Distance Matrix API to accurately model real-world deployment.
- Prepared analysis report for key decision making by stakeholders, using RMarkdown, available through a GitHub repository.

ASAP: Stock Market Evidence Regarding Public Policy

- Implemented Fama-French 3 Factor Model using linear regression to predict normal returns and abnormal returns for aviation crash instances to find how the market reacts to changing public policy.
- Succeeded in recognizing trends of market reaction and recovery.