Matt Reid

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EDUCATION

University of British Columbia   2020
Bachelors of Science Program, Mathematics Major

CRLA Certified Tutor Level 2   2014

SKILLS

Programming:
- Python, SQL, Java, VBA, C++

Software:
- Excel, Matlab, Maple, Latex, Processing, LINDO, Jupyter Notebook, PowerBI, Tableau

EXPERIENCE

Data Analyst at TransPerfect   2020 - Present
Worked with a team to provide confidential services, using proprietary software.

Math Tutor (Various)   2012 - 2018
I privately tutored Grade 7 to University-level Mathematics. I was also employed by the Kwantlen Learning Center to tutor University Level Mathematics for two years.

Data Analyst at The Kwantlen Learning Center   2014
Collecting and analyzing Census and NHS data to construct demographic profiles for a needs analysis report. This included forecasting and data visualization.

Bulk Department Manager at Choices Markets   2017 - 2018
I used all available sales data to build profiles for each product, with attributes such as sales volumes and profit per unit. I was then able to create meaningful KPIs for these products, such as profit per shelf real-estate and profit per hour worked. I significantly increased the department's profit

PROJECTS

Sales Forecasting
Given historical sales and customer data, I performed exploratory data analysis and implemented an ARIMA model in Python. This allowed me to forecast future sales and identify factors affecting sales.

Retail Store Analysis
Given a large, unordered retail store dataset, I created various statistical insights related to profitability of different items, departments, and regions.

Predator-Prey Simulation
Using Java, I simulated a 2 species ecosystem (Lynx and Hares) on an individual level. The simulated data was then analyzed in Excel, which showed the expected coupled population curves.

Titanic Survival Prediction
Given a subset of passenger data from the Titanic shipwreck, I used Logistic Regression Analysis to predict which of the remaining passengers survived. All work was completed in Python, in a Jupyter notebook.