JIABAO ZHENG

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EDUCATION

University of Waterloo, Waterloo   *September 2019 - Present*
Candidate for Honours Bachelor of Mathematics, Business Administration GPA: 4.0
Winter 2020: Term Dean's Honours List
University of Waterloo Presidents Scholarship

SUMMARY OF QUALIFICATIONS

Data Analyst with 2 years of experience in analyzing and data modelling with Python, R and Excel&VBA. Proficient knowledge in mathematics, computer science and statistics.
Software: Python, C, HTML, CSS, Excel&VBA, SAS, R, Racket
Skills: Data modelling, data mining, data cleaning, data reporting and data visualization

PROJECTS

COVID-19 pandemic Visualization   *github.com/zhengcharles24/visualizecovid19*
This project visualizes data from the early months of the coronavirus outbreak to see how this virus grew to be a global pandemic. In this project, some techniques such as manipulating data frames using dplyr and making plots using ggplot2 in R are used for data visualization. It also involves the comparison between cases in China and all around the world.

Visual History of Nobel Prize Winners   *github.com/zhengcharles24/visualnobelwinners*
Use Pandas, Seabron from Python and Tidyverse, ggplot2 from R complete the project respectively. With some method in statistics modelling, the dataset was analyzed from some different aspects, such as nationality, gender and age. A summary of the the comparison between the use of Python and R is also included.

Predicting Credit Card Approvals   *github.com/zhengcharles24/predcreditcardaprl*
An elementary machine learning model is built to predict if a credit card application will get approved. Some methods such as supervised learning with scikit-learn and data manipulation with pandas are applied in this project. Base on the given dataset, this model is very similar as what most real banks use today.

Financial Returning Analysis
A simple financial analysis base on the equity portfolio bought at different times. Some Excel formulas and VBA are used for finding daily PnL, annual return for each security, the portfolio level and return contribution from each security. Basic data visualization is also contained in this project.

EXPERIENCE

Vancouver International Children Festival, Vancouver   *December 2017 - June 2018*
IT Operator

- Collected and analyzed data during the preparation period
- Organized students in high school to attend the festival as volunteer
- Responsible for the preparation and troubleshooting of IT devices during the festival