Yiwen Li

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21-year-old | Female | Location：Foshan, Guangdong

EDUCATIONAL BACKGROUND

University of Toronto   2019-09 to 2023-06

Statistics and Economics | Bachelor   GPA: 3.99/4.00

Courses   Survey Sampling & Observational Data, Machine Learning, Data Analysis, Probability, Calculus, LinearAlgebra, Time Series Analysis, Financial Economics

INTERNSHIPS

JD.com, Inc.

Data Analyst   2022-08 to Present

- Formulated business problems as analytical problems, and constructed multi-dimensional indicator systems to monitor and analyze core business data.
- Automated the term sheet generation and build visual boards to deliver a more efficient operation process, providing data support for business executives.
- Provided regular analysis of current departmental and business performance according to collected data of 9 indicators, presented the data in departmental meetings, and output data analysis reports regularly to provide colleagues with suggestions for improvement in work content and methods.

UnionPay

Data Analyst   2022-05 to Present

- Calculated and organized the indicator completion rates of UnionPay branches, analyzed the weak points of Shenzhen branches, and produced data analysis reports to provide references for business adjustment for the Market Development and the Business Technology Department.
- Collated data of over 4,000 suspected cash-out transactions supervised by UnionPay, updated the feedback of cash-out risk surveys provided by institutions, and classified merchants through the given feedback.
- Summarized the daily transaction amount of over 70 transaction institutions, monitored the monthly transaction trends, and analyzed the overall business operation based on multi-dimensional indicators.

COURSE PROJECTS

Independent project on the prediction of the Canadian federal election   2021-11 to 2021-12

- The purpose of the study is to predict the outcome of the 2025 Canadian federal election.
- We used logistic regression models with post-stratification to predict the vote shares of different parties in the election.
- A study report was constructed with the help of R language

Study on the relationship between hypertension and marijuana   2021-11 to 2021-12

- Analyzed the effect of regular smoking of marijuana on systolic blood pressure among Americans
- Logistic regression model was built and we conducted propensity score matching(PSM) to balance covariates between the treatment and the control group

Study of the physical activity level among UofT undergraduates   2021-09 to 2021-10

- The primary goal is to study the level of physical activity among Arts&Science undergraduates at the University of Toronto(UofT). An online survey was designed to collect data for the study.
- R was used for data cleaning and hypothesis testing. The non-parametric bootstrap method was also used for calculating the confidence interval. My analysis report on this study has scored in the top 5% in the class.

Independent project on gender inequalities

- Examined gender pay inequalities in Europe's IT industry based on the 2020 IT Salary Survey in Europe.
- Applied statistical methods including Maximum Likelihood Estimator(MLE), Bayesian Credible Interval, and regression model to investigate the well-being of female IT employees in the EU
- All processes of data cleaning, analyzing, and report producing were completed with R.

Toronto Labour Market Analysis
2019-10 to 2019-12

- A specific analysis of the average number of hours worked per week by all employees in Toronto. We mainly focused on conducting hypothesis tests based on data collected from the Toronto labour market survey in 2021.
- Our analysis revealed the effectiveness of the government's new policy on working hours. We produced a professional statistical analysis report, which earned the highest grade in the course.

AWARDS

Dr. James A. & Connie P. Dickson Scholarship In Science & Mathematics   2022-10

Reuben Wells Leonard Scholarship   2021-10

C. L. Burton Open Scholarship   2020-10

University of Toronto Special Admission Scholarships   2019-10

LANGUAGES

Mandarin(Native); Cantonese(Fluent); English(Fluent): IELTS 7.5, GRE 333

SKILLS

Microsoft Word   Microsoft PowerPoint   Excel   R   SQL   python