YUE YU

+1 (249)-870-7949   [Email](#)   [LinkedIn](#)   [Tableau Public](#)   [GitHub](#)

PROFILE & SKILLS SUMMARY

• Proficient in the usage of software such as **Microsoft Office Suite** (Excel, Word, PowerPoint), MailChimp, **Python** (Numpy, Matplotlib, Pandas), **SQL** (PostgreSQL, MySQL), **Tableau**, **RStudio/R**
• Excellent verbal and written communication skills (**English** & **Mandarin**) developed through mentoring and tutoring experience
• Strong **quantitative** and **analytical** skills with a focus on detail and problem-solving abilities
• Capable of working **independently** and as a **team player** with excellent interpersonal skills
• Adaptable to fast-paced environments and able to manage time effectively to meet tight deadlines
• Interested in **econometrics**, **data analysis**, and **coding** and have the desire to learn relevant tools

EDUCATION

Honours Bachelor of Science (HBSc), University of Toronto   Sep 2021 – May 2025 (Expected)

• Enrolled in **Arts & Science Internship Program** (ASIP)
• Majoring in **Mathematics & Its Applications Specialist (Probability/Statistics)** and Economics minor
• Relevant Coursework: Probability and Statistics I & II, Methods of Data Analysis I**,** Time Series Analysis, Methods for Multivariate Data**,** Linear Algebra I & II, Introduction to Computer Science

PROJECT WORKS

University of Toronto, Data Analysis of NBA All-Star Selection   Sep 2023 – Nov 2023 (expected)

• Collaborated to develop a comprehensive analysis plan and flowchart, guiding the progression from a preliminary model to the final model
• Utilized R to build a multiple linear regression model, exploring relationships between the rank of All-Star Game vote and predictors, including six categorical, interaction, and continuous ones in total
• Created and analyzed residual plots using R, ensuring model assumptions were met and distinct patterns were identified, providing meaningful insights based on the results of the residual plot analysis
• Addressed goals including the creation of a methods section scaffold, verification and correction of model assumptions, and incorporation of hypothesis tests, emphasizing clarity and specificity

Personal Project, Project of Formula 1 Data Analysis   May 2023 – Sep 2023

• Executed **advanced** SQL queries to extract, clean, and manipulate Formula 1 (F1) datasets, streamlining data structures and improving analysis for clearer insights into driver statistics and team performance
• Managed and **designed** SQL databases via PGAdmin4, optimizing schemas and indexing strategies for F1 data, achieving a boost in query performance and data management
• Utilized Tableau to craft dynamic graphs, dashboards, and reports for F1 enthusiasts, delivering valuable insights on race trends, driver comparisons, and team performance with multiple views in the community
• Conducted ongoing SQL performance tuning, including aggregate before joining, reducing execution times by **15%** and enhancing real-time efficiency for data analysis and reporting.

RELEVANT EXPERIENCE

University of Toronto, *E-mentor*, Toronto, ON   Jun 2022 – Sep 2022
• Disseminated information and guided first-year students by writing newsletters through **MailChimp**
• Communicated effectively to improve the open rate of emails by **30%**
• Fostered community amongst the students and provided insights based on personal experience
• Organized and facilitated biweekly virtual workshops aimed at guiding and informing incoming students