David Pham

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Education

University of Toronto (St. George)   *Sep 2018 – June 2022*
BSc. Mathematics and Statistics Specialist
Campus Involvement:
- Events and Logistics Coordinator, University of Toronto Vietnamese Students Association
  - Responsible for managing all detailed event logistics including event itineraries, inventory lists, and executive roles to plan official social gatherings that incorporate safe and inclusive practices

Relevant Coursework: Methods of Data Analysis (I, II), Methods for Multivariate Data, Readings in Statistics

Experience

STA130 Mentorship Program   **August 2021 – Present**
- Leading one-on-one meetings with up to 60 mentees to talk about navigating life in university, as well as discussing their academic goals and objectives
- Established/maintained respectful, positive, and professional mentoring relationships with students
- Collaborated with other mentors to help plan and facilitate social events in order to encourage community building and offer academic/career advice

Research Assistant   **Summer 2021**
- Assisted Professor Scott Schieman in his research regarding work, stress, and health among Canadians, with special attention to the effects of the pandemic
- Used **Python** libraries such as **NumPy** and **pandas**, as well as **Excel** to analyze and categorize open-ended survey data with over 3000 entries about Canadians working from home during COVID-19.
- Attended weekly project meetings, presenting summaries regarding the pros and cons of working remotely based on data

Canadian National Exhibition, Lead Attendant/Housekeeper   **Summer 2019**
- Managed a team of 6 to help maintain the exhibition grounds by effectively communicating required tasks, coordinating with other sub teams, and upholding professionalism
- Constantly switched between tasks including waste management, housekeeping, supervising, surveying the grounds, and helping customers

Projects

Independent Readings Course – Ethical Practice for Statisticians   **Fall 2021 – Present**
- Was selected to be 1 of 3 students to work under Professor Liza Bolton and explore the misuse of statistics in the scientific community and everyday media consumption
- Writing an educative piece using **RMarkdown** to spread awareness of statistical literacy and ethics, and using **Zotero + BiBTeX** to manage references

Statistical Analysis of Gender Parity (R)   *Project Link*
- Worked in a group for a school project as a consulting firm to assess gender parity in hiring, wages, and promotions for a fictitious software company
- Merged and wrangled large datasets to create data visualizations and summaries using **dplyr/ggplot2**
- Used judgment to choose appropriate generalized linear (mixed) models, checked their assumptions, and justified the selection in confidence intervals and significance testing

League of Legends Data Analysis – Side Project   *Project Link*
- Made a report trying to establish a relationship between rank in League of Legends and predictors such as total number of games played, wins, summoner level, etc. using linear regression
- Used **Python** libraries **NumPy** and **pandas** to extract and organize over 1000 entries from the Riot API, and used **R** to conduct regression analyses

Technical Skills

Python (NumPy, pandas), R (dplyr, tidyverse, ggplot2, knitr), SQL, Tableau, Git/GitHub, HTML & CSS, Excel