

PETER TEA

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TECHNICAL STRENGTHS

Computer Languages: R, Python, SAS, SQL
Software & Tools: Git, BASH, SPSS, Excel, LaTeX, Markdown.

EDUCATION

Simon Fraser University Sep 2019 - Current
MSc. in Statistics

Awards: Natural Sciences and Engineering Research Council of Canada - Graduate Scholarships
Master's (NSERC CGS-M), BC Graduate Scholarship, Dean's Graduate Fellowship

University of Ottawa Sep 2014 - Apr 2019
Honours Bachelor of Science - Biostatistics (*Summa Cum Laude*)
Award: NSERC - Undergraduate Student Research Award (USRA)

STATISTICS WORK EXPERIENCE

Research Commons R Facilitator - Simon Fraser University Sep 2019 - Current

- Provide individual and group consultations on data wrangling, visualization and statistical analysis to advance ongoing research project deliverables.
- Lead R and Git workshops and assist on Python and BASH workshops to effectively communicate programming concepts for beginners.

Junior Data Scientist - Canada Revenue Agency May 2019 - Aug 2019

- Generated SAS scripts to decipher interesting patterns in tax-evasion behaviour in Canadian sub-populations.
- Created SQL queries to clean and organize large datasets into a consistent and analyzable format.
- Improved quality of reports by validating upper management's confidential meeting notes and by meticulously fixing data entry errors.
- Collaborated with international data scientists on Machine Learning and Econometric Model applications to complex data. Presented these findings to management to advise on future strategic plans.

Statistical Genetics Research Assistant - University of Ottawa May 2018 - Apr 2019

- Was in charge of engineering novel data dimension reduction techniques in R. Methods were then applied on high volume Crohn's disease datasets.
- Coded BASH scripts to automate large scale simulations of genetic data to illustrate power of techniques using a computer cluster.
- Presented a poster to a non-technical audience at an academic Health research conference attended by medical students.

DATA PROJECTS

A Dynamic Approach to modelling career All-NBA selection counts Oct 2019

- Applied Regression models to predict a player's All-NBA selection count at any stage of their career.
- Scraped and engineered meaningful features from raw NBA box-score data from the past 30+ years into a tidy, usable dataset.