**Walter Lai**

Brooklyn NY, 11214

[walterlaicollege@gmail.com](mailto:walterlaicollege@gmail.com) 1-347-613-7782

**PERSONAL WEBSITE:** <https://wlai0611.github.io/>

**SUMMARY**

Master’s in Data Science student, Tableau Desktop Certified Associate and former quantitative psychology research assistant with Tableau, Microsoft SQL, R, Python, Javascript and Excel experience.

**Projects**

-Created **R Shiny App** to facilitate variable selection for multiple regression models In order to predict an employee’s salary:

<https://wlai0611.shinyapps.io/multiregshiny/>

-Created **R Shiny App** for variable selection for Naïve Bayes classification models for maximal sensitivity and specificity. Used to predict which employee Attritions, leaves a company:

<https://wlai0611.shinyapps.io/bayesshiny/>

-Scored in top 18th Percentile in **Kaggle competition** for predicting House Prices with a group of 4 other SMU students: <https://www.kaggle.com/walterlai>

-**Tableau Visualization**:

-created Tableau dashboard to identify under-served markets for a beer company

-used KNN to classify Beer Styles based on Alcohol Statistics

-used Level of Detail calculations to compare each state’s beer sales to national averages by beer category: <https://public.tableau.com/profile/walter.lai#!/>

**CERTIFICATIONS**

**-** Tableau Desktop Certified Associate, Candidate ID: 1024537

-Microsoft SQL Server:

Passed 70-461 Querying Microsoft SQL Server 2012/2014 Exam:

Candidate ID: MS0618520185

**EDUCATION**

-Currently enrolled in Master’s of Data Science at Southern Methodist University

Expected Graduation Date: July 2021

**EXPERIENCE**

***Volunteer Research Assistant*** *Brooklyn College Psychology Dpmt. Jan 2018 – Mar 2019*

-Made RShiny app /w Javascript that captures user’s typing speed and accuracy.

-Created a Firebase NoSQL database to store user typing data and user login information for abovementioned R Shiny app:

<https://walterlai.shinyapps.io/devapp/>

-Used Python numpy, pandas to automate text stimuli production:

<https://github.com/wlai0611/letterFrequencyTextGenerator>

-coauthored experimental psychology research paper in which I used **lm** for **simple linear regression** describing the relationship between keyboard typing speed and the structure of words a user is typing. I used **dplyr, ggplot2 and tidyr** to produce plots, tables, charts:

<https://www.researchgate.net/publication/327456467_Instance_theory_predicts_information_theory_Episodic_uncertainty_as_a_determinant_of_keystroke_dynamics>