Jiaqi Li

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EDUCATION

Columbia University, Mailman School of Public Health, New York, NY *May 2019*
Master of Science, Biostatistics, GPA: 3.6

- Relevant courses: Biostatistical Methods, Data Science, Statistical Learning & Data Mining

University of Washington, Seattle, WA *December 2013*
Bachelor of Arts, Psychology; Bachelor of Arts, Economics, GPA: 3.5

- Honors: Dean's List, Cum Laude

RELEVANT PROJECTS

Data Science: Flight delay patterns (website is available here)

- Explored factors associated with flight delay patterns from 2012 through 2016 using R.
- Manipulated 2.8GB of data and analyzed 29M+ flights using a virtual server and Linux operating system.
- Created a Github website to display project findings, including a report, video, and interactive data visuals made by Plotly and ggplot.

Biostatistical Methods (report is available here)

- Identified variables associated with hospital length of stay (LoS) patterns to construct a predictive model using Multiple Linear Regression with R and SAS.
- Ran rigorous model diagnostics and model validation (cross-validation, bootstrap).

Using SAS to compare effects of LAGB and RYGB, and examine associations in weight loss (post is available here)

- Built a model to identify measured variables associated with weight loss using multiple linear regression
- Compared obesity treatments effect overtime using longitudinal data analysis.
- Created descriptive statistics for relevant variables

Statistical Learning: Using statistical learning to analyze Airbnb listings

- Built a predictive model of rental price; model was selected from various statistical learning algorithms of linear and nonlinear regression based on performance (using methods include ridge, lasso, PLS, splines, GAM)
- Classified high/low review score by selecting model from logistic regression, LDA, QDA, tree methods, and SVM.

EXPERIENCE

University of Washington, Behavioral Research & Therapy Clinics *Washington, WA*
Brief Interventions for Suicidal Individuals *March 2012-August 2013*
Research Assistant

- Recruited subjects and regularly conducted interviews and follow-up calls for 2-year study period.
- Collected and analyzed data to create experimental data visualization reports using Excel.
- Attended and also led weekly seminars to discuss study-related academic research.

Synyi Artificial Intelligence *Shanghai, China*
Internship – Biostatistician *May 2018-August 201*

- Designed regional EHR analysis data set query specifications.
- Communicated with pharmaceutical company sponsors and participated in protocol review and edit.
- Consulted with clinical investigators on sponsors' needs with respect to statistical design of studies.
- Built attractive data visuals to display analysis results and demographic information.
- Developed SQL builder prototype using Sketch.

SKILLS

- Statistical languages: R (& Shiny), SAS, SQL
- MS Office: Word, Excel, PowerPoint, Access
- Bilingual, Chinese and English