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https://justinhsie.github.io/index.html

Justin Hsie

Education

Columbia University, Mailman School of Public Health, New York, NY

Master of Science, Biostatistics, GPA: 3.59   expected graduation date: May 2020

Relevant Courses: Biostatistical Methods I & II, Data Science I & II, Machine Learning, SQL Programming & Databases, Longitudinal Analysis, Latent Variable and Structural Equation Modeling, Causal Inference

Bellevue College, Bellevue, WA   Summer 2015, Summer - Fall 2017

Relevant Courses: Fundamentals of Computer Science I, Calculus III, Linear Algebra

University of Washington, Seattle, WA

Bachelor of Science, General Biology   September 2013 - June 2017

Skills

Programming Languages: R, basic SQL, some knowledge of Python, SAS, Mplus, Java

Software Programs: Microsoft Access, Excel, Word, PowerPoint, Logic Pro X

Languages: English, conversational Mandarin Chinese

Relevant Projects

Predicting Chance of Admission with Application Data

https://github.com/thecbp/P8106_midterm_project/blob/master/working_report.pdf

-    Fit models to data to find significant factors that predict chances of admission to Master's programs
-    Found 2 significant predictors that influence chances of admission

Predicting Cancer Mortality Rate

https://github.com/zixuanzhang/BM_Final_Project/blob/master/Biostats%20Methods%20Final%20Project.pdf

-    Performed variable selection to include best cancer predictors in our model
-    Performed model selection and tested predictive ability of the model

Influential Factors in Colectomy Complications

https://tiffttu.github.io/P8105_final_website/

-    Visualized correlations between factors and surgical site infections
-    Fit a model to data to find significant factors that predict surgical site infections

Accelerometer Data

https://github.com/JustinHsie/p8105_mtp_jih2119/blob/master/p8105_mtp_jih2119.md

-    Visualized participant's 24-hour activity over 1 year
-    Interpreted 24-hour activity of participant over 1 year

Work Experience

Pharmacy Assistant, Safeway Pharmacy, Seattle, WA   September 2016 - December 2016

-    Provided excellent customer service at register window
-    Prepared medication in coordination with head pharmacist for over 500 patients

Other

Music: Guitar, Piano, Drums, Audio production, Mixing/Mastering