Yimin Chen

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EDUCATION

Columbia University **New York, USA**
M.S. Biostatistics, Public Health Data Science Pathway *Excepted May 2024*
Relevant Coursework: SAS, Survival Analysis, SQL, Machine Learning, Linear Regression Model

Boston University **Boston, USA**
B.S. Health Science (major) & B.A. Statistics (minor) *Sep 2018 - Jan 2022*
Relevant Coursework: Data Science in R, Comparative Healthcare System, Research in Public Health

WORK EXPERIENCE

Transformative Learning Technologies Lab **New York, USA**
Data Science Research Assistant *Jan 2023 - Present*

- Utilized natural language processing and social network analysis to evaluate research communities | Python
- Assisted in the design and implementation of a learning analytics dashboard | Python
- Conducted quantitative data analysis, performed data visualization, and interpreted results | R

Siemens **Suzhou, China**
Data Analyst Intern *April - August 2022*

- Performed preliminary data cleaning, feature selection, and model selection | Python
- Classified multiple sources of data and completed daily data analysis reports | SQL
- Developed machine learning algorithm to track the daily output of one automobile production line | Python

PROJECTS

Location Predictions of Squirrels based on Several Characteristics | R **New York, USA**
Oct - Dec 2022

- Built two linear models after selection and used ANOVA to test the credibility
- Compared with other datasets with squirrels in New York to evaluate different distributions
- Designed two location predictors that would allow users to track squirrels in New York Central Park if several traits were provided using R shiny app

Survival Analysis of Breast Cancer Patients | R **Nanjing, China**
May - Nov 2021

- Tested the hypothesis that factors like age were all associated with the death rate of breast cancer patients
- Built Cox regression models for each covariate to examine the relationship between these factors and patient survival and predict survival time for patients
- Published paper as a co-author (link: https://doi.org/10.1117/12.2628105)

SKILLS

- *Programming:* proficient in Python and R, SQL, Java, SAS, SPSS, MATLAB
- *Data visualization:* Tableau, Matplotlib
- *Languages*: English, Chinese, Japanese