Tingyi Li

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EDUCATION

Columbia University, New York, NY   Expected May 2024

Current GPA 4.11

Master of Public Health (MPH) in Biostatistics

Certificate: Comparative Outcome Effectiveness Research (CEOR)

Courses: Applied Regression (Linear Regression and Logistic regression), Introduction to Mathematical Statistics, Analysis of Large-Scale Data, Analysis of Categorical Data, Decision Analysis for Clinical and Public Health Practice, Statistical Computing with SAS

University of Wisconsin Madison, WI   Sep 2018-May 2022

Bachelor of Arts (B.A.) in Psychology

GPA 3.74

Courses: Regression, Calculus, Linear Algebra, Applied Stats-Life Science, Stats: Measurement in Economics, Behavioral Neuroscience

WORK EXPERIENCE

Part time Assistant, IQVIA   July 2021-Aug 2021 • Learned systematic knowledge about breast cancer and current treatments for the disease.

- Analyzed consulting methods (e.g., pyramid method) for different insurance companies.
- Created R Markdown template to generate descriptive analysis tables.

Seasonal Employee, NorthShore University HealthSystem   June 2023-Aug 2023

- Obtained data from three databases including UKBiobank, HGMD (Human Genetic Mutation Database), and ClinVar.
- Used Python to handle missing values and extract relevant variables from variants of ATM gene.
- Generated fisher-exact tests for the association between SNP carriers and diseases by computing odds ratio and p-value.

PROJECT EXPERIENCE

Heart disease, Yale University   Aug 2021-Dec 2021 ***Supervisor:*** *Prof. Shuangge Ma*

- Obtained data with 303 observations and 76 attributes from UCI machine Learning Repository.
- Created logistic regression to assess the relative risks of heart disease by using R.
- Concluded that chest pain type, ST depression and maximum heart rate are saliant contributors to indicate the occurrence of heart disease.

Cervical disease, Yale University   Aug 2021-Dec 2021 ***Supervisor:*** *Prof. Shuangge Ma*

- Collected patients' cervical data from Venezuela.
- Utilized R to conduct descriptive analysis for the data.
- Created logistic regression model to investigate risk factors of cervical diseases.

Children depression, Beijing Normal University   Aug 2020-Feb 2021 ***Supervisor:*** *Prof. Jinbao Zhang*

- Collected children's anxiety data aging from eight to fourteen years old.
- Designed statistical analysis plan for investigating the relationship between anxiety and children.
- Conducted logistic regression to find risk factors of children depression.
- Concluded that less anxiety in children if having better relationship with teachers.

CERTIFICATES

Johns Hopkins University, Coursera   2021
- Data Science: Foundations using R

University of Michigan Ann Arbor, Coursera   2021
- Programming for Everybody (Getting Started with Python)

HONORS AND AWARDS

Dean's List, **UWM**   2019

SKILLS & HOBBIES

Programming: R, Python, Tableau, SPSS, SAS, Stata, Treeage
Hobbies: Jazz drums, Zhongruan