Jiawei Tu

Website: https://missjiawei.github.io │ Linkedin: jiawtu │ jiawei.tu@uth.tmc.edu │ Phone: 3463975773

Work Experience

University of Texas - Tyler │ Consulting Intern - Houston, TX
June 2022 - July 2022

- Reviewed and restructured the STATA code for publication preparations.
- Using STATA to prepare test statistics, tables, and graphs.
- Built statistic models to explain associations between covariates and people who aware of HIV testing recommendations/guidance for prescribing PrEP and are familiar with nPEP prescribing guidance.

Indiana State Department of Health │ Data Analyst Intern - Indianapolis, IN
Sept 2020 - Dec 2020

- Analyzed over 100,000 records of demographic data of 5 different sexually transmitted diseases in Indiana and updated corresponding data, and fact sheets on the Indiana Health Department website.
- Moderated panel discussion of sexually transmitted disease trends across 3 groups in the Indiana Health Department and participated in staff meetings with CDC researchers.
- Evaluated covariates of over 400,000 STD cases in Indiana across 10 years and studied associations between covariates and patients treated with CDC-recommended regimens.

Indiana Minority Health Coalition │ Policy Assistant and Research Data Analyst - Remote
Jun 2020 - Sept 2020

- Assessed descriptive statistics related to maternal health in minority societies (17.72% Indiana population) and proposed strategies to improve maternal health care.
- Facilitated bi-weekly meetings with over 30 participants and kept a record of meeting minutes related to maternal health disparities in Indiana for social activities.

Mercer │ Assistant for Career and Welfare - Remote
Nov 2029 - Jan 2020

- Conducted SWOT analysis of 2 different cases including business operations in public transportation and Japanese enterprises case studies.

Research Experience

MD Anderson Cancer Center
Jan 2023 - Aug 2023 │ Christine B. Peterson Lab - Houston, TX

- Understand current statistical methods for the analysis of microbiome data as well as its limitations through literature review.
- Developed statistical methods for high-throughput biomedical data. Specifically performing feature selection and simulation on sparse datasets.

Sept 2021 - Dec 2021 │ Dr. Michael Wang Lab

- Reviewed manual-scripts regarding lymphoma/myeloma research.

Leadership Experience

University of Texas Health Science Center │ Graduate Teaching Assistant
Jan 2022 - Present

- Mentored over 100 students to study categorical data analysis.
- Created study materials for 2 course exams and 10 assignments.
- Coordinated weekly meetings and office hours to help students with SAS questions.

Education

University of Texas
Health Science Center
Ph.D in Biostatistics
Aug 2021 - Present
Houston, TX

Indiana University
MPH in Biostatistics and
Epidemiology
Aug 2018 - May 2021
Bloomington, IN

Nanjing Normal University
B.S in Food Science and
Engineer
Aug 2012 - May 2016
Nanjing, CHINA

Skills

Programming

Proficient:
R • SAS
Familiar:
Python• STATA • MATLAB

Related Skills

Mathematics modeling •
Quantitative analysis

Other Skills

Microsoft Word • Microsoft
Excel • Microsoft Powerpoint

Certifications

Red Cross CPR certification

Projects

Survival Analysis
Sept 2019 - Feb 2020

Population Health Determinants
Aug 2018 - Feb 2019