Jiawei Tu

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EDUCATION

Indiana University, Bloomington, IN May 2021
Master of Public Health, Biostatistics and Epidemiology

Nanjing Normal University, Nanjing, China May 2016
Bachelor of Science, Food Science and Engineer

SKILLS

Technical Skills: *SAS, R, MATLAB, Python, Microsoft Office*
Related Skills: *Experimental analysis, Data analysis, Linear regression*

WORK EXPERIENCE

Data Analyst, Indiana State Department of Health Indianapolis, IN Oct - Dec 2020

- Utilized SAS on STDs data for fact sheets updated on IDH website
- Participated in staff meetings, CDC calls, webinars, and DIS teleconferences
- Participated in gonorrhea treatments and prevention project
- Evaluated covariates of demographics of STDs patients in Indiana state
- Developed regression model to forecast association between patients' demographics factor and healthcare providers' treatment choice.

Policy Assistant & Research Data Analyst, Indiana Minority Health Coalition Bloomington, IN Jun - Sep 2020

- Developed Indiana minority health disparities briefs
- Used descriptive statistics to highlight strategies of maternal health care
- Collected and analyzed data from Indiana Research Dept. in statistical methods
- Presented research findings into slide deck, highlighting strategies to improve the delivery and quality of Indiana minority health disparities and maternal care

Assistant for Career & Welfare (Part-time), Mercer Beijing, China Nov 2019 - Jan 2020

- Conducted SWOT analysis of business operation in public transportation and enterprises case studies
- Utilized Python to support career and welfare team and supported in strategic planning
- Presented recommendations using Microsoft Excel and PowerPoint

PROJECTS

Survival Analysis Indiana University Bloomington Aug 2019 - Jan 2020

- Utilized SAS to designed hypotheses and selected appropriate tests
- Distributed the data appropriately through probability graphs
- Established and interpreted proportional risk models (model development)
- Analyzed survival data and interpret the results

Multivariate Statistical Analysis

- Processed simulation research based on data and multivariate statistic analysis
- Performed data cleaning by removing the missing values and duplicates to maintain data accuracy

Population Health Determinants Aug 2018 - Feb 2019

- Conducted literature reviews about the health problems reflected by the prevalence of childhood asthma in Los Angeles
- Utilized R for data collection, analysis, and visualizations
- Sorted information and defined group health issues and health determinants
- Evaluated causal relationship, identified stakeholders and established causal model
- Conducted evidence-based interventions with systematic model