Weiwei Qi

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EDUCATION

Columbia University in the City of New York **New York**
Master of Science in Biostatistics, Theory and Methods track Expected 05/2021
- **Course**: Data Science I, Data Science II (Statistical and Machine Learning methods), Deep Learning in Biomedical Engineering, Biostatistical Methods, Statistical Inference, Probability, Epidemiology

China Pharmaceutical University **Nanjing**
Bachelor of Business Management, Pharmaceutical track 09/2015–06/2019
- **Course**: Management, Linear Algebra, Economics, Operational Research, Investment, Pharmacoeconomics

PROJECTS

Drug Abuse in Connecticut **New York**
Course Data Science I 10/2019–12/2019
- Collected drug abuse data (5105 observations and 41 variables) of Connecticut; Used **R** to clean, pivot, and join datasets;
- Visualized the geodata of drug abuse along with reference information on the interactive map using **ggplot2** and **dashboard**;
- Built a website for presentation and utilized packages such as **Tidyverse** and **R shiny app**.

Gender Discrimination in Setting Salaries **New York**
Course Biostatistical Methods I 10/2019–12/2019
- Conducted data exploration and visualization on existing data regarding two-year salaries of doctors at a college;
- Built multiple regression models and performed stratification with **R glmnet** package for regression analysis;
- Conducted model diagnostics to identify outliers and influential points. Produced a final report to support the claim.

Interpretation of the New Normal Economic Situation **Nanjing**
Course Statistics Principles 03/2017–06/2017
- Collected the GDP, industrial structure, employment personnel, and population data of China. Outlined main characteristics of the Economy by fulfilling exploratory data analysis and visualization using **python**;
- Adopted subdivision analysis and comparative analysis to predict the potential opportunities and changes brought by the new normal economy. Produced final report and presentation.

ORGANIZATIONS

CUIMC Data Science Club **New York**
Finance Officer Since 10/2019
- Responsible for overseeing the finances and budget of the club; Designed club's Logo;
- Collaborate with leadership regularly about club affairs; Communicate with club members about events.

CUG Golden Shield Environmental Technology **Wuhan**
Assistant to Chief Executive Officer 02/2019–06/2019
- Assisted the CEO with daily administrative duties; Translated literatures for leadership decision-making;
- Excel and Word documents processing such as **PivotTable** and **Formula Functions**;
- Performed desk research for industry information from various sources and drafted reports to executives.

China Pharmaceutical University **Nanjing**
Student Assistant 09/2017–06/2019
- Helped organize office hours and coordinated meetings with advisors;
- Led class activities and communicated with faculties; Performed other duties as assigned.

School of Business, China Pharmaceutical University **Changzhou/Nanjing**
Summer Practicum Research Intern 06/2016–10/2016
- Visited and conducted questionnaires with deans, attending doctors, pharmaceutical personnel and patients at five hospitals in Changzhou City, Jiangsu Province, as part of a multi-year study;
- Inquired about the basic medical facilities, drug reserve and usage, patient distribution, patients' understanding of the national drug subsidy policy, and the salary status of pharmaceutical personnel. Entered data into **SPSS**.

AWARDS

The First Prize of the Seventh Securities Investment Preliminary Contest, held by School of Business at CPU, 06/2018
Third-class Scholarship for Merited Students, offered by China Pharmaceutical University, 03/2018
The Honorable Title of Outstanding Volunteer at Jiangsu Development Summit, by Jiangsu Students' Federation 05/2017

ACTIVITIES

Attendee, Global Health Course-China entitled 'Global Disasters and Humanitarian Crisis' 11/2018
Attendee, Public Health Education Initiative 'Medical Innovation in the Era of Digital Intelligence' 06/2018

SKILLS & TRAINING

Programming: Visual Basic, Python, pytorch, numpy, Jupyter Lab, R, R shiny, SQL, SPSS, Excel, GCP, GitHub, Linux command
Skills: Data Wrangling, Data Visualization, Statistics, Statistical Learning, Deep Learning and Neural Network