

Qingdou (Paulina) Han

Paulinahan15@gmail.com | 607-601-0176 | New York, NY

EDUCATION

- Columbia University, Mailman School of Public Health**, New York, NY Expected May 2023
Master of Science in Biostatistics, GPA: 4.08/4.0.
Relevant coursework: Biostatistical Method | Data Science | Advance Statistical Computing | Statistical Inference
- Beijing Normal University, School of Statistics**, Beijing, China July 2021
Bachelor of Science in Statistics, GPA: 3.4/4.0
- University of California**, Berkeley, Berkley, CA May 2020
Exchange Program, GPA: 4.0/4.0.

SKILLS

Languages: Chinese (Native) English (Fluent)
Programing: R(Advanced), Python, SQL, Python, SAS, Eviews, C

PROFESSIONAL EXPERIENCE

- Columbia University, Mailman School of Public Health**, New York, NY Mar 2022- May 2022
Teaching Assistant: Introduction to Data Science for Environmental Health
- Hold weekly lab sessions introducing R coding to help more than 40 students with programming issues.
 - Assisted course-related duties such as facilitating online discussion sections, providing course logistical support, held weekly office hours online.
- Deloitte Touche Tohmatsu LLP**, Beijing, China Nov 2020 - Feb 2021
Data Analyst Intern
- Conducted both traditional and specific adapted tests tailored to the needs of retail, internet, telecommunication, and State-owned business to evaluate the business revenue and to verify the authenticity of relevant sources of information.
 - Performed data analysis, and data cleaning on large data sets with SQL, and Python and visualized results using R and Excel to inform future strategy and decision-making.
- Chinese National Center for Cardiovascular Diseases**, Beijing, China Aug 2020 - Oct 2020
Department of Medical Statistics Intern
- Conducted literature review to assess FDA guidelines of follow-on companion diagnosis and evaluation of drug efficiency.
 - Authored report of the statistical evaluation of FCD via the external concordance study and survival analysis using Cox model and Bayesian model to guide implementation of FCD on simulation study in China.

ACADEMIC PROJECTS

- Columbia University, Mailman School of Public Health**
Analyses of daily Covid-19 cases in NYC with the implementation of Richard growth curve Spring 2022
- Identified and modeled the case count, hospitalization, and death count of Covid-19 in New York with the Quasi-Newton BFGS algorithm in R.
 - Compared the difference between 5 different boroughs among 4 outbreaks.
- Columbia University, Mailman School of Public Health**
Study on School Bus Delay pattern in NY Fall 2021
- Created a website to visualize and introduce the school bus delay pattern in New York from 2018 to 2022 using more than 8000 data with R.
 - Performed data cleaning and exploratory data analysis and conducted multiple hypothesis tests.
- Beijing Normal University**
Estimation of the Infarct Volume in Patients with Ischemic Stroke Aug 2020-Mar 2021
Independent Research Project
- Constructed models with missing values to estimate the infarct volume in patients using high dimensional clinical data in R.
 - Employed and compared different missing value imputation methods such as IPW and variable selection methods LASSO, and SCAD to improve the prediction accuracy.