Qing Xu

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Summary

With a Master' s degree in biostatistics and experience of 1 year of data analysis and modeling in clinical data. Did projects of large interview population-based study, data manipulation, survival analysis, prediction model of psychosis and machine learning. I am familiar with SAS and R and very interested in clinical data and wish to contribute to research and decision making in healthcare.

Skills

- SAS (Base and Advanced Programmer Certifications, SAS macro)
- R (R shiny, R markdown)
- SQL
- SPSS
- Tableau
- Excel

Work Experience

Biostatistics Research Assistant
Columbia University/New York State Psychiatric Institute, New York, NY   Jun, 2018 - Present

- Conduct propensity score matching, survival analysis and logistics regression, including building cox survival models, plot survival functions and hazard curves with R, SAS SQL and SAS macro
- Machine Learning for schizophrenia prediction using random forest, boosting and regression models
- Help with data cleaning and make codebook for a large survey database with SAS, SPSS and Excel
- Collaborate with biostatistician and medical researchers for clinical trial data analysis in heart failure and mental health

Research Biostatistician Intern
New York-Presbyterian Hospital, New York, NY   May, 2018 - Aug, 2018

- Explored clinical trial data of trauma among hospitals in New York by using surveys, generalized linear models, cross correlation analysis, longitudinal data analysis, ANOVA and mapping in R
- Collaborated and consulted with surgeons and biostatisticians by contributing to the statistical design, analysis of clinical trials, and other study designs to execute trauma clinical research
- Provided analytic support for clinical and regulatory reports and research papers
- Attended routine meetings for exploring and developing latest clinical designs

Data Analyst Intern
Mobile MD System, Zhejiang, China   Jun, 2016 – Aug, 2016

- Worked on database maintenance - clinical/health data organization, classification, clearing, entry, etc
- Collaborated with data scientists and biostatisticians to elicit data, build proper designs, perform statistical analysis with SAS and interpret results to clients

Education

Master of Science: Biostatistics
Columbia University, Mailman School of Public Health   New York, NY, May, 2019

Courses: Probability, Biostatistics methods, Statistical Inference, Data Science, Epidemiology, Survival Analysis, Analysis of Longitudinal, Design of Medical Experiment, Bayesian Analysis, Randomized Clinical Trial
GPA: 3.77

Bachelor of Science: Biological Science
Nanjing University   Nanjing, China, Jun, 2017

GPA: 3.76