

# Qing Xu

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**Personal Website:** <https://xuqingsally.github.io/>

## Summary

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With a Master's degree in biostatistics and experience of 1 year of data analysis and modeling in clinical data, I did projects of large interview population-based study, longitudinal and survival analysis, clinical trials, prediction model and machine learning of psychosis and behavior outcome. I am very interested in clinical trials, predictive models for health outcome with longitudinal data.

## Education

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### **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, Randomized Clinical Trial

GPA: 3.77

### **Bachelor of Science: Biological Science**

**Nanjing University**

Nanjing, China, Jun, 2017

GPA: 3.76

## Working Experience

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### **Biostatistics Data Analyst**

**Research Foundation for Mental Hygiene, New York, NY**

Jul, 2019 - Present

- Machine Learning methods and predictive models for behavior outcome prediction with longitudinal data
- Participate in data analysis of stratified randomized clinical trial of schizophrenia
- Built web-based risk calculator of conversion to psychosis
- Collaborate with clinicians for mental health paper publication

### **Biostatistics Research Assistant**

**Columbia University/New York State Psychiatric Institute, New York, NY**

Jun, 2018 – May, 2019

- 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
- Help with data cleaning and make a 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

## Submitted Paper

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- Gary Brucato, Michael B. First, Qing Xu, Melanie M. Wall. (2019). Recency and Intensification of Positive Symptoms Enhance Prediction of Syndromal Psychosis in Clinical High-Risk Patients.
- Joseph A Gancayco, Weijia Fan, Qing Xu. (2019). Readmission after Mitral Valve Surgery for Functional Mitral Regurgitation: Detailed Insights into Heart Failure Recurrence and Healthcare Utilization.

## Skills

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SAS (Base and Advanced Programmer Certifications); R (R shiny); SQL; SPSS; Tableau; Excel