

QI QI

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EDUCATION

- University of Connecticut** 2017 - 2020
Ph.D. Statistics, Department of Statistics
Thesis: *Statistical Methods for Longitudinal Data with Applications to Dementia and Human Microbiome Projects.*
Committee: Dr. Lynn Kuo (Main advisor), Dr. Ming-hui Chen and Dr. Xiaojing Wang
- University of Connecticut** 2015 - 2017
M.S. Statistics, Department of Statistics
- Renmin University of China** 2011 - 2015
B.S. Statistics, School of Statistics

WORK EXPERIENCE

- Statistical Scientist: Genentech** Aug 2020 - present
- Being study lead statistician for multiple clinical trials.
 - Collaborate with different functions, including clinical science, operation, safety, pharmacokinetics, biomarker, imagining science, etc.
 - Author study documents (protocol, statistical analysis plan, clinical study report, conferences/publications, etc.), being responsible for study design & sample size calculation, conduct statistical analyses, QC statistical outputs.
 - Lead a successful study read-out (Press Release).
- Research Fellow: Boehringer - Ingelheim** Dec 2019 - Jul 2020
- Conducted research for potential type I error inflation if using Chronic slope to assess treatment effect. Promoted random change point model regarding preserved type I error rate.
 - Conducted research for exposure-response analysis and construct segmented sigmoid Emax model for Phase II dose finding study.
- Internship: Boehringer - Ingelheim** May 2019 - Aug 2019
- Established change point detection model based on stochastic process and applied to Chronic Kidney Disease (CKD) data.
- Research Assistant: Albert Einstein College of Medicine** Aug 2017 - Dec 2019
- Conducted analyses to evaluate a new memory impairment classification system and investigated the prediction performance on Alzheimer's Disease.
- Statistical Consultant: University of Connecticut** Aug 2017 - May 2019
- Presented workshops: *Variable Selection with Demos in R* and *Survival Study Design and Analysis*.
 - Conducted R shiny apps to visualize the occupancy of classrooms at University of Connecticut. Built a web-page for registrar office to describe the difficulties of classroom schedule and analyze the compliance of standard meeting pattern.
 - Completed several full projects, provided walk-in and online service.

RESEARCH INTERESTS

Longitudinal Data Analysis, Survival Analysis, Joint Modeling, Multi-stage Analysis, Stochastic Models, Data Visualization, Bayesian Methods, Machine Learning, Statistical Computing.

TECHNICAL SKILLS

R (mainly using packages *nimble*, *ggplot2*, *shiny*, *dplyr*, *R2jags*, *vegan*, *phyloseq*, etc.), SAS, SQL, Python, BUGS, JAGS, SPSS, AMOS, Matlab, Stata, L^AT_EX, Github, Mathematica