

Naimin Jing

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- EDUCATION**
- Ph.D. candidate, Statistics** Sept. 2016 - Present (expected Jun. 2021)
Temple University, GPA: 4.0/4.0 Philadelphia, PA
- Advisor: Dr. Cheng Yong Tang
 - Research Interests: Robust regularized regression, optimization, high-dimensional analysis, longitudinal/dependent data, and applications of methods in real life.
 - Selected Courses: Multivariate time series analysis, survival analysis
- B.S., Statistics** Sept. 2012 - Jun. 2016
University of Science and Technology of China, GPA: 3.05/4.3 Hefei, China
- SKILLS**
- Data analysis** through statistical modeling/inference/testing
Programming Languages (in recent 3 years):
R, Matlab, Python, SQL,
SAS Certified Specialist: Base Programming Using SAS 9.4
- EXPERIENCE**
- Teaching Assistant** Sept. 2016 - Present
Temple University
- Statistical Methods I & II, Quantitative Methods for Business I & II
- Summer research Internship** Jul. 2015 - Sept. 2015
Institute of Psychology, Chinese Academy of Sciences
- Investigate if negative emotion leads to negative decisions.
 - Instruct subjects during experiments and analyze the data through Pearson chi-squared **correlation analysis** and **T-tests** using **R**.
- PROJECTS**
- A Robust approach to low rank models for network data** (Ongoing)
- To deal with heavy-tail and outliers, we develop a **robust** methods for **network estimation**/denoising with **low rank regularization**, along with an efficient optimization algorithm.
 - Compare the results with existing methods through simulation study and real data analysis. The code is implemented through **Matlab** on a **Linux cluster** for high-performance computing.
 - (Ongoing) Study theoretical properties of the estimators.
- Robust Matrix Completion and Reduced Rank Regression** (Preparing Manuscript)
- Develop robust methods and efficient computing algorithms for matrix completion and matrix regression problems with low rank regularization.
 - Derive non-asymptotic **upper bounds** for estimation errors under mild conditions, also establish **convergence rate** and discuss asymptotic properties.
- SOFTWARE PACKAGES**
- R package ‘varjmcM’** Jul. 2018
Jing N., Bai H., Wang T., and Tang C.Y.
- Estimate the variance of the **joint longitudinal modeling** approaches.
 - Provide two estimation options: **bootstrap** and explicit formula.
- AWARDS**
- George Carides Memorial Award** Apr. 2018
Department of Statistical Science, Temple University
- An annual award given to an outstanding student who excelled on the Screening Exam, does well in classes, and participated in department activities.