Jinwen Fu

School of the Gifted Young, University of Science and Technology of China
(+86) 151-8258-4916 | fjw123@mail.ustc.edu.cn
Hefei city, Anhui Prov., P.R. China, 230026

EDUCATION

University of Science and Technology of China (USTC) Aug. 2017 - Jul. 2022
Bachelor of Science in Statistics School of the Gifted Young

- **Overall GPA:** 3.45/4.0 (WES Verified)
- **Major GPA:** 3.75/4.3
- **Core Courses**: Mathematical Analysis, Foundation of Algebra, Linear Algebra, Complex Analysis, Real Analysis, Functional Analysis, Differential Equations, Partial Differential Equations, Probability, Mathematical Statistics, Applies Statistical Software, Sampling Survey, Multivariate Analysis, Time Series Analysis, Regression Analysis.

University of Science and Technology of China (USTC) Mar. 2019 - Jul. 2022
Dual Degree in Computer Science School of Computer Science and Technology

- **Core Courses**: Discrete Mathematics, Introduction to Database, Operating System, Computer Networks, Principles of Artificial Intelligence.

RESEARCH EXPERIENCES

Variational Inference in Multi Gamma-Poisson(GaP) Model Jul. 2021 - Present
Advisor: Zhixiang Lin, Assistant Professor in Statistics at the Chinese University of Hong Kong

- Developed new method to apply Variational Inference to our Multi GaP model and Multi Conditional GaP model.
- Applied the model and method to simulated data and got results better than Gibbs Sampling method.
- Future plan: going to develop a stochastic version of the method to scale to large dataset and apply it to Multi-Omics dataset.

Stock Price Forcasting with LLE-BP Neural Network May. 2021 - Jun. 2021
Advisor: Yu Chen, Associate Professor in Statistics at USTC

- Combined Local Linear Embedding method and Back Propagation Neural Network to reduce dimension and improve prediction performance.
- Applied the model to real-world data and obtained results that were better than PCA-BP Neural Network and converged faster than simple BP Neural Network.

Bootstrap Methods in Interval Estimation Jul. 2021 - Present
Advisor: Canhong Wen, Associate Professor at School in Statistics at USTC

- Applied Percentile Bootstrap, Studentized Bootstrap and Normal Approximation to Binomial methods to interval estimation in R program.
- Compared the accuracy and precision of the estimations by 3 different methods with simulated data.
- Wrote an R package including the methods and the data set.

LEADERSHIP AND ACTIVITIES

Led a Causal Inference Seminar | **USTC** Sept. 2019 - Dec. 2019

- Led an independent seminar with 7 members per week.
- Learnt and discussed about knowledge in Causal Inference according to the text book wrote by James M.Robins.

LANGUAGES AND SKILLS

Languages : English (fluent, TOEFL: 102/speaking 23 ; GRE: V153+Q170+AW3.0), Chinese (native).
Computer Skills : Experienced in C/C++, Python, R, Stan, MySQL, Linux and Latex.