Stanford

Jiaqi Gu

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NIH Biosketch available Online Curriculum Vitae available Online

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BIO

I am a postdoctoral scholar in Department of Neurology & Neurological Sciences, Stanford University and under supervision of Dr. Zihuai He. Before that, I obtained my PhD degree in statistics under supervision of Prof. Philip L.H. Yu and Prof. Guosheng Yin in University of Hong Kong and my bachelor degrees in statistics from Renmin University of China.

My researches concentrate on preference learning, network data modeling, quantitative analysis of survival and public health data, high-dimensional statistical inference with geometric information and statistical genetics.

HONORS AND AWARDS

- Excellent Research Award, Department of Statistics and Actuarial Science, University of Hong Kong (2022)
- Excellent Research Award, Department of Statistics and Actuarial Science, University of Hong Kong (2021)
- Excellent Teaching Assistant Award, Department of Statistics and Actuarial Science, University of Hong Kong (2021)
- Honorable Mention, Interdisciplinary Contest in Modeling (2017)
- Runner-up, Beijing-Hong Kong Data Modeling Competition (2017)
- First Prize, Contemporary Undergraduate Mathematical Contest in Modeling (Beijing) (2016)

PROFESSIONAL EDUCATION

- Bachelor of Science, Renmin University Of China (2018)
- Doctor of Philosophy, University Of Hong Kong (2022)
- Ph.D., University of Hong Kong , Statistics (2022)
- B.S., Renmin University of China , Statistics (2018)

STANFORD ADVISORS

- Zihuai He, Postdoctoral Faculty Sponsor

LINKS

- My Page: https://sites.google.com/view/jiaqigu
- Google Scholar: https://scholar.google.com/citations?hl=en&user=O_81tQ4AAAAJ

Publications

PUBLICATIONS

- **In silico identification of putative causal genetic variants.** *bioRxiv : the preprint server for biology*
  He, Z., Chu, B., Yang, J., Gu, J., Chen, Z., Liu, L., Morrison, T., Belloy, M. E., Qi, X., Hejazi, N., Mathur, M., Le Guen, Y., Tang, et al
  2024

- **Controlled Variable Selection from Summary Statistics Only? A Solution via GhostKnockoffs and Penalized Regression.** *ArXiv*
  Chen, Z., He, Z., Chu, B. B., Gu, J., Morrison, T., Sabatti, C., Candes, E.
  2024

- **Omnibus test for restricted mean survival time based on influence function.** *Statistical methods in medical research*
  Gu, J., Fan, Y., Yin, G.
  2023: 9622802231158735

- **ANALYSIS OF PREFERENCES IN SOCIAL NETWORKS** *ANNALS OF APPLIED STATISTICS*
  Gu, B., Yu, P. H.
  2023; 17 (1): 89-107

- **Bayesian Log-Rank Test** *AMERICAN STATISTICIAN*
  Gu, J., Zhang, Y., Yin, G.
  2023

- **3D-Polishing for Triangular Mesh Compression of Point Cloud Data** *The 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD '23)*
  Gu, J., Yin, G.
  2023: 557-566

- **Jiaqi Gu and Guosheng Yin's contribution to the Discussion of 'Martingale Posterior Distributions' by Fong, Holmes and Walker** *Journal of the Royal Statistical Society Series B (Statistical Methodology)*
  Gu, J., Yin, G.
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- **Bayesian SIR model with change points with application to the Omicron wave in Singapore** *SCIENTIFIC REPORTS*
  Gu, J., Yin, G.
  2022; 12 (1): 20864

- **Triangular Concordance Learning of Networks** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
  Gu, J., Yin, G.
  2022

- **Sparse concordance-based ordinal classification** *SCANDINAVIAN JOURNAL OF STATISTICS*
  Fan, Y., Gu, J., Yin, G.
  2022

- **Joint latent space models for ranking data and social network** *STATISTICS AND COMPUTING*
  Gu, J., Yu, P. H.
  2022; 32 (3)

- **Reconstructing the Kaplan-Meier Estimator as an M-estimator** *AMERICAN STATISTICIAN*
  Gu, J., Fan, Y., Yin, G.
  2022; 76 (1): 37-43

- **Crystallization Learning with the Delaunay Triangulation** *The 38th International Conference on Machine Learning*
  Gu, J., Yin, G.
  2021: 3854-3863

- **Analysis of ranking data** *WILEY INTERDISCIPLINARY REVIEWS-COMPUTATIONAL STATISTICS*
  Yu, P. H., Gu, J., Xu, H.

2019; 11 (6)

- **Fast Algorithm for Generalized Multinomial Models with Ranking Data** *The 36th International Conference on Machine Learning*
  Gu, J., Yin, G.
  2019: 2445- 2453