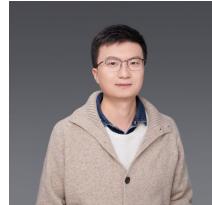


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### 研究兴趣

分布式学习, 联邦学习, 大规模数据子抽样, 高维数据分析

### 工作经历

2024.07 至 2026.08(预计)	厦门大学 统计学 (A+ 学科) 博士后研究员 合作导师: 钟威 (长江学者、国家优青)
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### 教育经历

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2018.09 至 2021.06	西南交通大学	统计学	理学硕士	导师: 黄磊
2014.09 至 2018.06	西南交通大学	数学与应用数学	理学学士	

### 论文发表

- Z. Q. Qin, **Y. Chao\***, and X. J. Ma<sup>†</sup>. Distributed Quadratic Interpolation Estimation for Large-Scale Quantile Regression. *Journal of Parallel and Distributed Computing*. 210:105214, 2025. DOI: <https://doi.org/10.1016/j.jpdc.2025.105214>. SCI (JCR Q1)
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- X. F. Wu, **Y. Chao\***, S. Tang, R. M. Liang, and Z. M. Zhang<sup>†</sup>. Feature Splitting Parallel Algorithm for Dantzig Selectors[J]. *Statistics and Computing*, 35: 116, 2025. DOI: <https://doi.org/10.1007/s11222-025-10658-y>. SCI (JCR Q1, A)
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- Y. Chao, L. Huang, and X. J. Ma<sup>‡†</sup>. Distributed Optimization for Penalized Regression in Massive Compositional Data[J]. *Applied Mathematical Modelling*, 141: 115950, 2025. DOI: <https://doi.org/10.1016/j.apm.2025.115950>. SCI (JCR Q1, A)
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- J. R. Chen, X. J. Ma, and Y. Chao<sup>†</sup>. Testing Independence for Multivariate Time Series via Auto Multivariate Distance Covariance[J]. *Communications in Statistics-Theory and Methods*, 54(5): 1397-1409, 2024. DOI: <https://doi.org/10.1080/03610926.2024.2338418>. SCI (JCR Q3)
- Y. Chao, L. Huang, X. J. Ma<sup>†</sup>, and J. J. Sun. Optimal Subsampling for Modal Regression in Massive Data[J]. *Metrika*, 87: 379-409, 2024. DOI: <https://doi.org/10.1007/s00184-023-00916-2>. SCI (JCR Q3)
- L. Shen, Y. Chao, and X. J. Ma<sup>†</sup>. Distributed Quantile Regression in Decentralized Optimization[J]. *Information Sciences*, 643: 119259, 2023. DOI: <https://doi.org/10.1016/j.ins.2023.119259>. SCI (JCR Q1, A)
- Y. Chao, X. J. Ma, Y. G. Li, and L. Huang<sup>†</sup>. A Penalized Estimation for the Cox Model with Ordinal Multinomial Covariates[J]. *Journal of Statistical Computation and Simulation*, 92(6): 1194-1223, 2022. DOI: <https://doi.org/10.1080/00949655.2021.1989692>. SCI (JCR Q2)
- L. Huang, W. Q. Hang<sup>†</sup>, and Y. Chao. High-dimensional Regression with Ordered Multiple Categorical Predictors[J]. *Statistics in Medicine*, 39(3): 294-309, 2020. DOI: <https://doi.org/10.1002/sim.8400>. SCI (JCR Q1, B)

## 正在投稿的论文

- L. Huang, Y. Chao<sup>\*</sup>, X. Y. Li, C. Y. Wu<sup>†</sup>. Distributed Statistical Guarantees for Moderately Diverging-Dimensional Cox Models under Pilot Subsampling. Submitted. 2025+.
- M. Y. Wang, Y. Chao<sup>\*</sup>, W. Zhong<sup>†</sup>. Modal Tensor Regression: Robust Learning of Representative Structure in Skewed Tensor Data. Submitted. 2025+.
- Y. Du, Y. Chao<sup>†</sup>. Runtime-Efficient Moment-Free Robust Distributed Reduced-Rank Regression in High Dimensions. Submitted. 2025+.

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## 资助与奖项

- › 2024 年度福建省优秀博士后支持专项拟支持人选, 福建省人力资源与社会保障厅, 20 万
- › 2025 年度国家资助博士后研究人员计划(C 档), 具备异质性感知的多源数据整合学习: 建模与推断, 中国博士后科学基金会, GZC20252103, 24 万
- › 2025 年苏州大学优秀博士学位论文, 苏州大学

## 参加并作报告的主要学术会议

<b>2025</b>	全国工业统计学教学研究会地学大数据分会首届会员代表大会暨 2025 年学术讨论会(中国, 成都)
<b>2024</b>	2024 年第十三届全国概率统计会议(中国, 厦门)
<b>2023</b>	2023 年数据科学理论与应用联合会议(中国, 兰州)
<b>2022</b>	2022 年江苏省数学学会学术年会(中国, 扬州)
<b>2021</b>	2021 年江苏省研究生“大数据统计与创新”学术创新论坛(中国, 苏州)

## 期刊审稿

- › Knowledge-Based Systems
- › Applied Mathematical Modelling
- › Statistics
- › International Statistical Review
- › Journal of Big Data
- › Statistics and Computing
- › Scientific Reports