

# Jing Zeng

(updated: 12/12/2023)

Email: zengjxl@ustc.edu.cn

Website: <https://jingzzeng.github.io>

Github: <https://github.com/jingzzeng>

Room 208, Management Research Building

East Campus of USTC

Jinzhai Rd, Hefei, China

## Employment

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- **Associate Professor (tenure-track)** 07/2022 - Present  
International Institute of Finance, School of Management  
University of Science and Technology of China

## Education

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- **Ph.D. in Statistics** 08/2017 - 05/2022  
Department of Statistics, Florida State University (FSU)  
Co-advisors: Dr. Xin Zhang and Dr. Qing Mai
- **B.S. in Mathematics and Applied Mathematics** 08/2013 - 06/2017  
School of Mathematical Sciences, University of Science and Technology of China (USTC)

## Research Interests

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- Dimension reduction
- Discriminant analysis
- High-dimensional statistics
- Robust statistics
- Tensor data analysis

## Publications (“†” indicates alphabetical authorship.)

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1. **Zeng, J.** and Zhang, X. (2024). Tensor and Multimodal Data Analysis. In: Gaw, N., Pardalos, P.M., Gahrooei, M.R. (eds) *Multimodal and Tensor Data Analytics for Industrial Systems Improvement*. Springer Optimization and Its Applications, vol 211. Springer, Cham.
2. **Zeng, J.**, Mai, Q., and Zhang, X. (2024). Subspace Estimation with Automatic Dimension and Variable Selection in Sufficient Dimension Reduction. *Journal of the American Statistical Association*, 119(545), 343-355.
3. † Li, L., **Zeng, J.**, and Zhang, X. (2023). Generalized Liquid Association Analysis for Multimodal Data Integration. *Journal of the American Statistical Association*, 118(543), 1984-1996.
4. **Zeng, J.**, Zhang, X., and Mai, Q. (2023). An Efficient Convex Formulation for Reduced-Rank Linear Discriminant Analysis in High Dimensions. *Statistica Sinica*, 33:1249-1270.
5. **Zeng, J.**, Wang, W., and Zhang, X. (2021). TRES: An R Package for Tensor Regression and Envelope Algorithms. *Journal of Statistical Software*, 99(12):1-31.

## Fundings

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## Honors and Awards

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- **R.A. Bradley Award**, FSU. 12/2022  
– *For the best PhD dissertation in the Department of Statistics.*
- **Best First Year Student in Applied Statistics Award**, FSU. 10/2018  
– *Presented in recognition of outstanding achievement as a graduate student.*

## Software

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1. R package: **TRES** (<https://cran.r-project.org/web/packages/TRES/index.html>).

## Teaching

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- University of Science and Technology of China
  - STAT3003: Fundamentals of Statistical Algorithm (Spring & Fall 2023)
  - ASTA6002P: Regression Analysis and Data Thinking (Fall 2023)
- Florida State University
  - STA 2122: Introduction to Applied Statistics (Summer & Fall 2018, Spring 2019)

## Talks

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### Conference talk

- Contributed talk, IMS-ICSIDS Nice, France, 12/2024
- Invited talk, 18th CMStatistics London, UK, 12/2024
- Invited talk, Conference at Shanghai University of Finance and Economics, Shanghai, 12/2024
- Invited talk, Probability and Statistics Conference in China, Xiamen, 11/2024
- Invited talk, CAAS Big Data Statistics Xuzhou, 10/2024
- Invited talk, 7th EcoSta Beijing, 07/2024
- Invited talk, 6th IMS-APRM Melbourne, Australia, 01/2024
- Invited talk, Machine Learning and Statistics Conference (MLSTAT) Shanghai, 08/2023
- Invited talk, Hangzhou International Conference on Frontiers of Data Science Hangzhou, 08/2023
- Invited talk, 6th EcoSta Tokyo, Japan, 08/2023
- Invited talk, 12th ICSA International Conference Hong Kong, 07/2023
- Contributed talk, CAAS High-Dimensional Statistics Changsha, 05/2023
- Invited talk, Workshop on “Sufficient Dimension Reduction” at SJTU Shanghai, 05/2023
- Invited talk, 15th CMStatistics London, UK, 12/2022

- Invited talk, Conference for Interdisciplinary Big Data Science Zhuhai, Guangdong, 11/2022
- Topic-contributed talk, 2022 JSM Washington, USA, 08/2022
- Invited talk, 5th EcoSta Hong Kong, 06/2021
- Contributed talk, 2019 JSM Denver, USA, 07/2019

### Department Colloquium

- Center for Statistics and Data Science, BNU-Zhuhai Zhuhai, 11/2023
- Center for Statistical Science, Tsinghua University Beijing, 11/2023

## Services

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- **Referee for peer-reviewed journals:** *Biometrics*, *Computational Statistics and Data Analysis*, *Journal of Computational and Graphical Statistics*, *Statistical Analysis and Data Mining*, *Statistics in Biosciences*, *Statistics and Its Interface*, *Statistica Sinica*, *WIREs Computational Statistics*.
- **Student paper competition reviewer:** Statistical Methods in Imaging Conference 2023
- **Session organizer:**
  - Topic: TBD  
Organized Invited Session, CMStatistics 2024, London, UK.
  - Topic: TBD  
Organized Invited Session, EcoSta 2024, Beijing, China.
  - Topic: "Statistical analysis for data with complex structures"  
Organized Invited Session, EcoSta 2023, Tokyo, Japan.