Jing Zeng (*updated: 12/12/2023*)

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Room 208, Management Research Building

East Campus of USTC

Jinzhai Rd, Hefei, China

Employment

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

Education

- **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

- Dimension reduction

- Discriminant analysis

- High-dimensional statistics

- Robust statistics

- Tensor data analysis

Publications ("†" indicates alphabetical authorship.)

Peer-Reviewed Papers

1. † Chen, L. and **Zeng, J.** (2024+). Dimension Reduction for Extreme Regression via Contour Projection. *Statistics Sinica*, just-accepted.

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.

Invited Book Chapter

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.

Fundings

1. National Natural Science Foundation of China (NSFC) Grant 12301365   01/2024–12/2026

Honors and Awards

- Special Allowance for Mozi Outstanding Youth (First Prize), USTC.   07/2022
- 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

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

Teaching

- University of Science and Technology of China
    - STAT3003: Fundamentals of Statistical Algorithm (Spring & Fall 2023, Fall 2024)
    - ASTA6002P: Regression Analysis and Data Thinking (Fall 2023, Fall 2024)
- Florida State University
    - STA 2122: Introduction to Applied Statistics (Summer & Fall 2018, Spring 2019)

Talks

Conference talk

- Contributed talk, IMS-ICSDS   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

- **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.