

Jing Zeng

(updated: 07/26/2025)

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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
- Transfer learning
- Mixture model

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 | 01/2024–12/2026 |
| 2. Fundamental Funds for the Central Universities | 01/2024–12/2025 |

Honors and Awards

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|---|---------|
| • Special Allowance for Mozi Outstanding Youth (First Prize), USTC. | 07/2022 |
| • R.A. Bradley Award, FSU. | 12/2022 |
| – <i>For the best PhD dissertation in the Department of Statistics.</i> | |
| • Best First Year Student in Applied Statistics Award, FSU. | 10/2018 |
| – <i>Presented in recognition of outstanding achievement as a graduate student.</i> | |

Teaching

- University of Science and Technology of China
 - STAT2002: Probability Theory and Mathematical Statistics (Fall 2025)
 - STAT3002: Applied Statistical Software (Spring 2025)
 - STAT3003: Fundamentals of Statistical Algorithm (Spring 2023, Fall 2023–2025)
 - ASTA6002P: Regression Analysis and Data Thinking (Fall 2023–2025)
- Florida State University
 - STA 2122: Introduction to Applied Statistics (Summer & Fall 2018, Spring 2019)

Talks

“★” indicates the upcoming conferences.

Conference talk

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| • ★ Invited talk, 8th EcoSta | Tokyo, Japan, 08/2025 |
| • Invited talk, 2025 ICSA China Conference | Zhuhai, 06/2025 |
| • Invited talk, CSAYS 2025 Annual Conference | Jinan, 04/2025 |
| • 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

- **Referee for peer-reviewed journals:** *Journal of the American Statistical Association, Biometrics, Computational Statistics and Data Analysis, Electronic Journal of Statistics, Journal of Biopharmaceutical Statistics, Journal of Computational and Graphical Statistics, Journal of Statistical Planning and Inference, 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, EcoSta 2025, Tokyo, Japan.
 - Topic: "Recent development of dimension reduction and semiparametric regression"
Organized Invited Session, EcoSta 2024, Beijing, China.
 - Topic: "Statistical analysis for data with complex structures"
Organized Invited Session, EcoSta 2023, Tokyo, Japan.