Jing Zeng (*updated: 07/26/2025*)

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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

- Sufficient dimension reduction

- Discriminant analysis

- Neuroimaging

- Computational statistics

- Robust statistics

- Tensor data analysis

Publications ("†" indicates equal contribution; "*" indicates student)

Under-Reviewed Papers

1. **Zeng, J.**, Min, K. and Mai, Q. Robust Sliced Inverse Regression: Optimal Estimation for Heavy-Tailed Data in High Dimensions.

2. **Zeng, J.**, Zhang, X. and Hao, N. Second-Order Sparse Sufficient Dimension Reduction with Applications to Quadratic Discriminant Analysis.

3. Huang, W.*, Mai, Q. and **Zeng, J.** Sparse Robust Discriminant Analysis for High-Dimensional and Heavy-Tailed Data.

Peer-Reviewed Papers

1. **Zeng, J.**†, Wang, N.†, and Zhang, X. (2025+). Envelope Inverse Regression for Dimension Reduction: A Review and New Perspectives. *Journal of Systems Science and Complexity*, accepted.

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

3. **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.

4. 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.

5. **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.

6. **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.

<u>*Invited Book Chapter*</u>

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 Key R&D Program of China (5/5, **No.2024YFA1012200**)   11/2024–01/2029
2. National Natural Science Foundation of China Grant (1/1, **No.12301365**)   01/2024–12/2026
3. Fundamental Funds for the Central Universities (1/1, **No.WK2040000075**)   01/2024–12/2025

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.*

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

- ⋆ 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-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

- School of Mathematics and Statistics, Jiangsu Normal University   Xuzhou, 06/2025
- School of Statistics and Data Science, Qufu Normal University   Qufu, 05/2025
- 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.