

Jing Zeng

Contact

Department of Statistics, Florida State University
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Education

Florida State University, Department of Statistics

Ph.D. in Statistics

08/2017 - 05/2022

Co-advisors: Dr. Xin Zhang and Dr. Qing Mai

University of Science and Technology of China, School of Mathematical Sciences

B.S. in Mathematics and Applied Mathematics

09/2013 - 06/2017

Research Interests

- Applications in medical science.
- Dimension reduction.
- High-dimensional statistics.
- Machine learning.
- Robust statistics.
- Tensor data analysis.

Publications

“†” indicates alphabetical authorship.

1. Zeng, J., Mai, Q. and Zhang, X. (2021+). Subspace Estimation with Automatic Dimension and Variable Selection in Sufficient Dimension Reduction. *Journal of the American Statistical Association*. Under revision (invited major revision).
2. † Li, L., Zeng, J. and Zhang, X. (2021+). Generalized Liquid Association Analysis for Multimodal Data Integration. *Journal of the American Statistical Association*, accepted. arXiv preprint: <https://arxiv.org/abs/2008.03733>.
3. Zeng, J., Zhang, X. and Mai, Q. (2021). An Efficient Convex Formulation for Reduced-Rank Linear Discriminant Analysis in High Dimensions. *Statistica Sinica*, accepted.
4. Zeng, J., Wang, W. and Zhang, X. (2021). TRES: An R Package for Tensor Regression and Envelope Algorithms. *Journal of Statistical Software*, 99, 1-31.

Honors and Awards

- Outstanding Teaching Assistant Award (OTAA) nomination, Florida State University. 01/2020
(Only two teaching assistants were nominated from each department.)
- Best First Year Student in Applied Statistics Award (top 10), Florida State University. 10/2018
(The award was presented in recognition of outstanding achievement as a graduate student.)
- Scholarship for Outstanding Students, Third Prize (top 20%), University of Science and Technology of China. 09/2015
- Scholarship for Outstanding Students, Second Prize (top 10%), University of Science and Technology of China. 09/2014

Software

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

Teaching

- Solo Instructor, Florida State University
 - STA 2122: Introduction to Applied Statistics (Summer 2018, Fall 2018, Spring 2019)
- Teaching Assistant, Florida State University
 - STA 5934-0001: Tensor Data Analysis (Spring 2020)
 - STA 5934-0002: Deep Learning (Spring 2020)
 - STA 5934-0004: Statistical Computing with Python (Spring 2020)
 - STA 2122: Introduction to Applied Statistics (Fall 2017, Spring 2018)
- Teaching Assistant, University of Science and Technology of China
 - Probability and Mathematical Statistics (Fall 2016).

Other Academic Experience

- Research Assistant (under supervision of Dr. Xin Zhang and Dr. Qing Mai).
Florida State University 06/2019 - Present
- Referee: *WIREs Computational Statistics, Biometrics*.
- Presenter: Invited talk at International Conference on Econometrics and Statistics (EcoSta).
Hong Kong, China (Virtual) 06/2021
- Presenter: Contributed talk at Joint Statistical Meetings (JSM).
Denver, CO 07/2019