$Wenwu\ GONG\ {\it PhD\ Candidate}$

| RESEARCH KEYWORDS | □ Tucker-based Low-rank Model □ Signal Processing □ Optimization | ☐ Tensor Learning☐ Image Processing☐ Deep Tensor Computation | |
|------------------------|--|--|--|
| CONTACT Information | ☐ 12031299@mail.sustech.edu.cn ttps://gongwenwuu.github.io/ github.com/GongWenwuu Google Scholar ☐ 50 Citations | $\begin{array}{c} {\rm SUSTech} \\ {\rm HomePage} \end{array}$ | |
| Biography | In the Summer of 2024, I will finish my Ph.D. from Southern University of Science and Technology (SUSTech), where my research focuses on Tensor Learning and Algorithms and Mathematical Theory for Data Science . | | |
| EDUCATION | ■ Southern University of Science and Technology Ph.D. in Mathematics • Affiliation: Department of Statistics and Data Science • Thesis: Enhanced Tucker Decomposition Models and Algorithms | Shenzhen Sep. 2020 - Present. gorithms for Tensorial Data Completion | |
| | ⚠ Harbin Institute of Technology ➢ Master of Science in Mathematics Affiliation: Probability and Statistics in School of Mathematics | Shenzhen Sep. 2018 - Sep. 2020 patics | |
| | ■ Nanchang University Bachelor of Science in Mathematics Affiliation: Applied Mathematics in School of Mathematics | Nanchang Sep. 2014 - May. 2018 s and Computer Sciences | |
| Honours and Awards | National Scholarships International Training Program of Guangdong Province Innovative Practice Scholarship National Postgraduate Statistical Modeling Competition | Oct. 2023 HKUST (P.G.) June 2023 RMB 10,000 May 2021 Second Prize Dec. 2020 | |
| Projects | Granted Research Funding:Impact of different control policies for COVID-19 outbreak on the tertiary sector | | |
| | Main contributors: Wenwu Gong (principal investigator), Lili Yang (supervisor) Funding: Innovation and Entrepreneurship Fund for Graduate Students by the Graduate School of SUSTech (Y01621803) RMB 82,000 | | |
| | Open-source Research Projects: • • LRTL Methods and Their Applications: The collect low-rank tensor learning and its applications, including in | 1 1 | |
| TUTORIALS TA | • Probability Theory and Mathematical Statistics | Sep. 2019 - May 2021 | |
| | • Tensor Decomposition and Its Applications | Mar. 2023 - June 2023 | |

Publications Preprints & Under Review



2. Wenwu Gong, Zhejun Huang, Lili Yang (2023). ELST: A Tucker-based prior modeling framework for tensor completion.

Under review

1. Wenwu Gong, Zhejun Huang, Lili Yang (2023). Spatiotemporal regularized Tucker decomposition approach for traffic data imputation.

arXiv:2305.06563

Journal Papers

Wenwu Gong, Zhejun Huang, Lili Yang (2023). Accurate regularized Tucker decomposition for image restoration. Applied Mathematical Modeling. 123 (11): 75-86.
 JCR-Q1 IF: 5 Top-tier https://doi.org/10.1016/j.apm.2023.06.031

Conference Papers

- ICASSP 2024: Wenwu Gong, Zhejun Huang, Lili Yang (2024). Enhanced low-rank and sparse Tucker decomposition for image completion. Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing, Seoul, Korea, 2024.
 EI CCF B
- ITSC 2023: Wenwu Gong, Zhejun Huang, Lili Yang (2023). LSPTD: Low-rank and spatiotemporal priors enhanced Tucker decomposition for internet traffic data imputation (presentation only). Proceedings of the IEEE Conference on Intelligent Transportation Systems, Bilbao, Spain, 2023.
 Level A

Other Papers

- Wenwu Gong, Jie Jiang, and Lili Yang. (2022). Dynamic risk assessment of compound hazards based on VFS-IEM-IDM: A case study of Typhoon-Rainstorm hazards in Shenzhen, China. Natural Hazards and Earth System Sciences. 22(10): 3271-3283.
 JCR-Q1 IF: 4.6 https://doi.org/10.5194/nhess-22-3271-2022
- Fanyu Meng, Wenwu Gong, Jun Liang, Xian Li, Yiping Zeng and Lili Yang. (2021). Impact of different control policies for COVID-19 outbreak on the air transportation industry:
 A comparison between China, the U.S. and Singapore. PLoS One. 16(3): e0248361.

 JCR-Q2 IF: 3.7 https://doi.org/10.1371/journal.pone.0248361