Wenwu GONG PhD Candidate

Research Keywords	Tucker-based Low-rank Model□ Tensor LearningMachine Learning□ Scientific Computing		g
	☐ Spatial-temporal Data Modeling	☐ Image Processing	
CONTACT Information	<pre> 12031299@mail.sustech.edu.cn https://gongwenwuu.github.io/ github.com/GongWenwuu Google Scholar</pre>		Ph.D HomePage
Biography	I plan to do a visiting postgraduate internship (MATH) at HKUST in Oct. 2023. 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 Scientific Computing .		
OPEN-SOURCE HIGHLIGHTS C LRTL	Open-source Contribution : I am leading an open-source plications .	project named LRTL Met	hods Ap-
Education	 ■ Southern University of Science and Technology ► Ph.D. in Mathematics	Sep. 2020	Shenzhen - Present.
	 Affiliation: Department of Statistics and Data Science Thesis: Low-Rank Tensor Learning: Methods, Algorithms, and Applications 		
	 	Sep. 2018 -	Shenzhen Sep. 2020
	 ■ Nanchang University Bachelor of Science in Mathematics Affiliation: School of Mathematics and Computer Science Minor: Applied Mathematics 	-	Nanchang Sep. 2014 - May. 2018
Honours and Awards	 ☑ International Training Program of Guangdong Province Innovative Practice Scholarship National Postgraduate Statistical Modeling Competition ☑ Innovative Practice Fund of SUSTech 	RMB 18,000 RMB 10,000 Second Prize RMB 82,000	June 2023 May 2021 Dec. 2020 Sep. 2020
PUBLICATIONS G SCHOLAR	Preprints & Under Review 2. Wenwu Gong, Zhejun Huang, Lili Yang (2023). Enhanced low-rank and sparse Tucker decomposition for image inpainting. Under review		
	1. Wenwu Gong, Zhejun Huang, Lili Yang (2023). Manifold regularized Tucker decomposition approach for spatiotemporal traffic data imputation. arXiv:2305.06563		

Journal Papers

1. 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 https://doi.org/10.1016/j.apm.2023.06.031

Conference Papers

1. 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). 2023 IEEE Conference on Intelligent Transportation Systems

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. Nat. Hazards Earth Syst. Sci. 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 10.1371/journal.pone.0248361

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