

# TAO WANG

Email: wang\_tao@ruc.edu.cn

## AFFILIATION

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**Institute of Statistics and Big Data, Renmin University of China**, Beijing, China

## EDUCATION

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**Institute of Statistics and Big Data, Renmin University of China**, Beijing, China

- Ph.D. in Statistics September 2023 - present

**School of Mathematics, Tianjin University**, Tianjin, China

- Bachelor of Science September 2019 - June 2023

## RESEARCH INTEREST

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Computational Optimal Transport and its Applications in AI; 3D Modeling; Non-parametric Statistics.

## AWARDS & HONORS

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- **Outstanding Poster Paper** in the 23nd Annual Meeting of China Society for Industrial and Applied Mathematics (CSIAM 2025) 2025

## PUBLICATIONS

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### Peer-reviewed publication

1. Tao Wang, Mengyu Li, Geduo Zeng, Cheng Meng, Qiong Zhang. Gaussian Herding across Pens: An Optimal Transport Perspective on Global Gaussian Reduction for 3DGs. *NeurIPS 2025, Spotlight*.
2. Tian Qiu, Tao Wang, Qiannan Huang, Kaspar Kuehn, Lailiang Cheng, Cheng Meng, Xiangtao Xu, Kenong Xu, and Jiang Yu. AppleQSM: Geometry-Based 3D Characterization of Apple Tree Architecture in Orchards. *Plant Phenomics, 2024*.

### Working Papers

1. "Moment Difference and Distribution Discrepancy based Shapley Feature Importance Using Wasserstein Dependency."(with Qiannan Huang, Cheng Meng)
2. "A New Multivariate Quantile with Application to Fréchet Regression on the Wasserstein Space."(with Qiannan Huang, Jun Zhu, Cheng Meng)

## PROFESSIONAL SKILLS

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### Programming

1. Python, C++, Linux Shell

### Language

1. Mandarin (native), English

### Other Skills

1. L<sup>A</sup>T<sub>E</sub>X,L<sub>Y</sub>X