

# WANTENG MA

Department of Mathematics, HKUST, Clear Water Bay, Hong Kong SAR

(+852) 97416272 ◊ [wmaah@connect.ust.hk](mailto:wmaah@connect.ust.hk) ◊ [Website](#)

## EDUCATION

<b>The Hong Kong University of Science and Technology</b> M.Phil. in Mathematics	2021 - 2024
<b>Zhejiang University, Chu Kochen Honors College</b> B.S. in Statistics (with honors) B.B.A. in Management Information Systems Ranking: Top 2% (1/64)	2017 - 2021

## RESEARCH INTERESTS

High-dimensional Inference, Multiple Testing, Online Decision Making

## PUBLICATIONS AND MANUSCRIPTS

- [1]: Optimal Regularized Online Allocation by Adaptive Re-Solving. [\[pdf\]](#)  
Wanteng Ma, Ying Cao, Danny H.K. Tsang, and Dong Xia.  
To appear at *Operations Research*.
- [2]: Multiple Testing of Linear Forms for Noisy Matrix Completion. [\[pdf\]](#)  
Wanteng Ma, Lilun Du, Dong Xia, and Ming Yuan.  
Submitted.
- [3]: High-dimensional Linear Bandits with Knapsacks. [\[pdf\]](#)  
Wanteng Ma, Dong Xia, and Jiashuo Jiang.  
*The 41st International Conference on Machine Learning (ICML 2024)*

## AWARDS AND SCHOLARSHIPS

<b>RedBird Award</b> , HKUST	2021
<b>Hong Kong PhD Fellowship</b> , Research Grants Council of HK	2021
<i>Top 300 among all the PhD students in Hong Kong</i>	
<b>Outstanding Graduate</b> , Zhejiang University	2021
<b>National Scholarship</b> , Ministry of Education of the P.R.C.	2019
<i>Top 1% among all the students in the Chu Kochen Honors College</i>	
<b>Scholarship for Excellence</b> , CKC College, Zhejiang University	2019
<i>Top 5% among all the students in the Chu Kochen Honors College</i>	
<b>First Prize in The Chinese Mathematics Competitions</b> , Zhejiang Mathematical Society	2019

## ACADEMIC SERVICE

### Reviewer for the following journals:

Journal of Machine Learning Research, Journal of Econometrics, Journal of the American Statistical Association, Journal of Computational and Graphical Statistics, Transactions on Pattern Analysis and Machine Intelligence.

### Conference/Seminar presentations:

- **14th POMS-HK International Conference**  
HKUST, Hong Kong SAR

*Jan 5-6, 2024*

- International Seminar on Selective Inference  
Online Seminar

*April 11, 2024*

## PROGRAMMING SKILLS

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**Proficient at:** Matlab, R, Python, PyTorch  
**Familiar with:** C, Java, SQL

## TEACHING EXPERIENCE

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### TA in the Hong Kong University of Science and Technology:

MATH 1013 - Calculus IB

*2023 Fall*

MATH 3424 - Regression Analysis

*2023 Spring*

MATH 4424 - Multivariate Analysis

*2022 Fall*

MATH 2411 - Applied Statistics

*2022, 2024 Spring*