Dehao Dai

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Research Interests	High-dimensional Time Series
	high-dimensional significance testing
	Nonlinear Time Series
	Bootstrapping and Subsampling
	Time-varying Network
	Random Graphs

Education

University of California San Diego	La Jolla, CA
Ph.D., Mathematics with Specification in Statistics	Jun. 2022 - Present
Advisors: Professor Danna Zhang, Dimitris N. Politis	
M.S., Statistics	Sep. 2020 - Jun. 2022
Donghua University	Shanghai, China
B.S., Mathematics	Sep. 2016 - Jul. 2020
Advisors: Professors Litan Yan, Zhengzhong Zhang	

Honors and Scholarships

Best Tutor Award in ECE department, UC San Diego	2023
Excellent Undergraduate Thesis, Donghua University (Top 1%)	2020
Excellent Graduate in Shanghai	2020
National Scholarship for undergraduates	2020
3$^{\text{rd}}$ Prize, National College Student Mathematics Competition	2018
1$^{\text{st}}$ Prize, Mathematical Contest of Modeling at Donghua University	2018
Honorable Prize, American Mathematical Contest of Modeling	2018

Preprint

Dehao Dai, Danna Zhang. 2023.

Teaching

University of California San Diego	La Jolla, CA
Teaching Assistant	2022 - Present

- MATH 183: Statistical Methods — Summer 2023
- MATH 181B: Intro to Mathematical Statistics — Spring 2023
- MATH 181E: Mathematical Statistics - Time Series — Winter 2023
- MATH 20B: Calculus/Science and Engineering — Fall 2022
- ECE 171A: Linear Control System Theory — Spring 2022
  - 100% recommendation rate

Talks and   **Seminar Presentations at Universities**

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Presentations at Conferences

- 16th International Conference of the ERCIM WG on Computational and Methodological Statistics   Dec. 2023

Reviewer for Journals

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Reviewer for Conference

- IEEE Transactions on Aerospace and Electronic Systems