

Dehao Dai

Department of Mathematics
University of California San Diego, CA, 92037

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EDUCATION

University of California San Diego

Ph.D. Candidate in Mathematics with Specification in Statistics
Advisor: Danna Zhang, Department of Mathematics;
Dimitris N Politis, Department of Halicioglu Data Science Institute

La Jolla, CA
2020 – 2025 (Expected)

Donghua University

B.S. in Mathematics

Shanghai, China
2016 – 2020

RESEARCH INTERESTS

High-dimensional Time Series, Neural Network, Nonlinear Time Series, Bootstrapping and Sub-sampling, Time-varying Network

PUBLICATIONS AND PREPRINTS

PRESENTATIONS

CFE-CMStatistics 2023

Berlin, Germany, Dec. 2023

TEACHING EXPERIENCES

Teaching Assistants at University of California San Diego

MATH 282A: Applied Statistics	La Jolla, CA Fall 2024
MATH 281C: Mathematical Statistics	Spring 2024
MATH 287C: Advanced Time Series Analysis	Spring 2024
MATH 181A: Intro to Mathematical Statistics I	Winter 2024
MATH 181B: Intro to Mathematical Statistics II	Fall 2023, Spring 2023
MATH 183: Statistical Methods	Summer 2024, Summer 2023
MATH 181E: Mathematical Statistics - Time Series	Winter 2023
MATH 20B: Calculus/Science and Engineering	Fall 2022
ECE 285: Semidefinite and Sum-of-squares Optimization	Winter 2022
ECE 171A: Linear Control System Theory	Spring 2022

PROFESSIONAL SERVICE

Reviewer for Journals:

Journal of Biopharmaceutical Statistics

Reviewer for Conference:

IEEE Transactions on Aerospace and Electronic Systems

HONORS AND AWARDS

Best Tutor Award in ECE department, UC San Diego	2023
James B. Ax Graduate Fellowship, UC San Diego	2022
Excellent Undergraduate Thesis, Donghua University (Top 1%)	2020
Excellent Graduate in Shanghai	2020

National Scholarship for Undergraduates
3rd Prize, National College Student Mathematics Competition

2020
2018