

Dehao Dai

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

Email: ddai@ucsd.edu

EDUCATION

University of California San Diego

La Jolla, CA

Ph.D. Candidate in Mathematics with Specification in Statistics

2020 – 2025 (Expected)

Advisor: Danna Zhang, Department of Mathematics; Dimitris N Politis, Department of Halicioglu
Data Science Institute

Donghua University

Shanghai, China

B.S. in Mathematics

2016 – 2020

RESEARCH INTERESTS

High-dimensional Time Series, Nonlinear Time Series, Bootstrapping and Subsampling, Time-varying Network

PUBLICATIONS AND PREPRINTS

PRESENTATIONS

CFE-CMStatistics 2023

Berlin, Germany, Dec. 2023

TEACHING EXPERIENCES

Teaching Assistants at University of California San Diego

La Jolla, CA

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 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