

# Wenshuo Wang

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## Education

### Harvard University

Ph.D. in Statistics, expected June 2021

Cambridge, Massachusetts

Aug. 2016–Present

### University of California, Los Angeles

Cross-disciplinary Scholars in Science and Technology Program

Los Angeles, California

July–Sept. 2015

### University of Science and Technology of China

B.S. in Statistics, Special Class for the Gifted Young

Hefei, China

Sept. 2012–June 2016

## Publications and Manuscripts

\*Author order is determined alphabetically.

**Wenshuo Wang** and Lucas Janson. A power analysis of the conditional randomization test and knockoffs. *arXiv preprint arXiv:2010.02304*, 2020.

Siliang Gong, **Wenshuo Wang**, Weijie J. Su, and Qi Long. Per-family error rate control for Gaussian graphical models via knockoffs. *In Submission*, 2020.

Yichao Li\*, **Wenshuo Wang**\*, Ke Deng, and Jun S. Liu. Stratification and optimal resampling for sequential Monte Carlo. *Biometrika* (accepted), 2021.

Stephen Bates\*, Emmanuel Candès\*, Lucas Janson\*, and **Wenshuo Wang**\*. Metropolized knockoff sampling. *Journal of the American Statistical Association* (accepted), 2020.

## Teaching

### As Instructor

- Stat P-17000: Introduction to Probability and Statistical Inference (**new**) Harvard University, June–July 2018

### As Teaching Assistant

- Stat 211: Statistical Inference I Harvard University, Sept.–Dec. 2018
- Stat 171: Introduction to Stochastic Processes Harvard University, Jan.–May 2018
- Stat 210: Probability I Harvard University, Sept.–Dec. 2017
- Applied Stochastic Processes University of Science and Technology of China, Sept. 2015–Jan. 2016
- Linear Algebra University of Science and Technology of China, Mar.–July 2015

## Talks

- A Power Analysis of the Conditional Randomization Test and Knockoffs Bernoulli-IMS One World Symposium, Aug. 2020
- Stratification and Optimal Resampling for Sequential Monte Carlo Joint Statistical Meetings (JSM), Aug. 2020
- Metropolized Knockoff Sampling Dempster Prize Colloquium, Nov. 2019
- Metropolized Knockoff Sampling Joint Statistical Meetings (JSM), July 2019
- Metropolized Knockoff Sampling (poster) New England Statistics Symposium (NESS), May 2019
- Challenges in High-Dimensional Variable Selection Models, Inference & Algorithms (MIA) Seminar at the Broad Institute, Dec. 2018

## Internship Experience

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**Citadel Securities**  
*Quantitative Researcher*

**Chicago, Illinois**  
*June–Aug. 2020*

## Selected Awards

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- National Scholarship (**Top 1%** nationwide), Chinese Ministry of Education (2013, 2014, 2015)
- CSST Scholarship (**Top 15%** Chinese and Japanese applicants), UCLA (2015)
- Outstanding New Student Award (**Top 1** in the Special Class for the Gifted Young), USTC Alumni Foundation (2012)
- China Undergraduate Mathematical Competition, **Nationwide, Second Prize** (**7<sup>th</sup>** place, 2014)
- China Undergraduate Mathematical Competition, **Anhui Division, First Prize** (**2<sup>nd</sup>** place, 2013)