

DONGMING HUANG

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EDUCATION

Harvard University	Cambridge, MA
Ph.D. in Statistics	Expected May 2020
Dissertation: Reliable Inference and Prediction for High Dimensional Data	
Peking University	Beijing, China
B.S. in Mathematics	July 2015

RESEARCH INTERESTS

- | | |
|------------------------------|----------------------------|
| · High dimensional inference | · Dimension reduction |
| · Variable selection | · Empirical Bayes methods |
| · Statistical learning | · Stochastic optimizations |

PUBLICATIONS

- **Huang, Dongming** and Lucas Janson. Relaxing the assumptions of knockoffs by conditioning. *Annals of Statistics*, forthcoming
- Qian Lin, Xinran Li, **Huang, Dongming**, and Jun S Liu. On the optimality of sliced inverse regression in high dimensions. *Annals of Statistics*, forthcoming
- **Huang, Dongming**, Nathan Stein, Donald B. Rubin, and S.C. Kou. Catalytic prior distributions with application to generalized linear models. Submitted

RESEARCH IN PROGRESS

- High-dimensional Robust Linear Prediction against Adversarial Attacks, with Lucas Janson and Lester Mackey.

PRESENTATIONS

- Relaxing the Assumptions of Knockoffs by Conditioning. *ICSA International Conference*, Hangzhou, China, Dec 2019. Invited Oral Presentation.
- Conditional Knockoffs for Variable Selection. *Joint Statistical Meetings*, Denver, Colorado, Jul 2019. Poster presentation.
- Conditional Knockoffs for Variable Selection. *IMS China Meeting*, Dalian, China, Jul 2019. Oral Presentation.
- Conditional Knockoffs for Variable Selection. *New England Statistics Symposium*, Hartford, Connecticut, May 2019. Poster Presentation.

TEACHING EXPERIENCE

Harvard University Teaching Fellow

Cambridge, MA

- Statistical Machine Learning (Prof. Lucas Janson) Fall 2018
- Probability II (Prof. Daniel Stroock from MIT) Spring 2018
- Linear Models (Dr. Kevin Rader) Fall 2017
- Statistical Methods for Evaluating Causal Effects (Prof. Donald Rubin) Spring 2017
- Design of Experiments (Profs. Tirthankar Dasgupta and Donald Rubin) Fall 2016

ACADEMIC SERVICE

Reviewer, *Journal of the American Statistical Association* 2019

Harvard Statistics Consulting Service

Fall 2018–Spring 2019

Work in a team to provide free weekly office hours for researchers at Harvard on their data analysis

AWARDS

Bok Center Certificate of Distinction in Teaching Awardee
Harvard University

Spring and Fall 2017

Gold Medal Winner in Probability and Statistics in the 5th Shing-Tung Yau College Student Mathematics Contests

July 2014

Center of Mathematical Sciences, Zhejiang University