

JINGYI ZHANG

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EDUCATION

University of Georgia, Department of Statistics, Athens, Georgia, USA

- Ph.D. in Statistics *August 2014 - Present*
 - Research interest: Big Data, Decentralized Computing, Data Fusion, Dimension Reduction, and Non-parametric Regression

Wuhan University, Department of Mathematics Statistics, Wuhan, Hubei, China

- Master of Statistics *September 2011 - June 2013*
- Bachelor of Statistics *September 2007 - June 2011*

PUBLICATIONS

Published

1. **Jingyi Zhang**, Honghe Jin, Ye Wang, Xiaoxiao Sun, Ping Ma, and Wenxuan Zhong. Smoothing Spline ANOVA Models and Their Applications in Complex and Massive Datasets. Topics in Splines and Applications. InTechOpen, 2018.

Under review or in preparation

1. **Jingyi Zhang**, Cheng Meng, Wenxuan Zhong, and Ping Ma. A decentralized parametric data fusion approach for heterogeneous scattered data. Submitted, NeurIPS2019.
2. Cheng Meng, Xinlian Zhang, **Jingyi Zhang**, Wenxuan Zhong, and Ping Ma. More efficient computation of smoothing splines via space-filling basis selection. Under review, Biometrika.
3. Cheng Meng, **Jingyi Zhang**, Jinyang Chen, Wenxuan Zhong, and Ping Ma. An optimal transport approach for selecting a representative subsample. In preparation.
4. Cheng Meng, **Jingyi Zhang**, Yuan Ke, Mengrui Zhang, Wenxuan Zhong, and Ping Ma. An efficient dimension reduction approach for calculating the optimal transport map. In preparation.
5. Nan Zhang, **Jingyi Zhang**, Cheng Meng, and Ping Ma. Double sketching for large-scale non-parametric regression. In preparation.
6. Shangpeng Sun, Yu Jiang, Cheng Meng, **Jingyi Zhang**, Ping Ma, and Changying Li. Stalk extraction in 3d point cloud data for cotton. In preparation.

AWARDS & HONORS

- **Travel Grant**, The 2019 Joint Statistical Meetings May 2019
University of Georgia
- **Outstanding TA Award** Mar 2017

PRESENTATION

- Poster, UGA-Clemson Joint Seminar. Mar 2018
Decentralized computing method with data privacy. University of Georgia, Athens, GA, USA
- Poster, Georgia Statistics Day. Oct 2018
A statistical method for decentralized data fusion. University of Georgia, Athens, GA, USA

Invited Presentation, Bio-sensing and instrumentation lab.

Aug 2018

A statistical method for decentralized data fusion. University of Georgia, Athens, GA, USA.

TEACHING ACTIVITIES

Teaching assistant

- STAT 2000 Introductory Statistics Fall 2015 & Spring 2018
- STAT 4290 Nonparametrics Spring 2016
- STAT 6360 Statistics Programming Summer 2016
- STAT 6810 Probability Distribution Fall 2016 & Fall 2017
- STAT 6520 Mathematical Statistics II Spring 2017
- STAT 8270 Spatial Statistics Spring 2017 & Spring 2019
- STAT 8330 Advanced applying computing Fall 2018
- MSIT 3000 Statistical Analysis Summer 2017
- Statistics Bootcamp Summer 2017 & Summer 2018

PROFESSIONAL ACTIVITIES

Review for journal

Annals of Statistics, Statistica Sinica and Journal of the American Statistical Association

Organization membership

American Statistical Association (ASA)

2015-Present