

Jiaxin Hu

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Education

University of Wisconsin-Madison

Ph.D. in Statistics, Advisor: Prof. Miaoyan Wang

Madison, U.S.

Sep. 2020- present

University of Wisconsin-Madison

M.S. in Statistics

Madison, U.S.

Sep. 2018 - May. 2020

Wuhan University

B.S. in Statistics

Wuhan, China

Sep. 2015 - Jun. 2019

Publications

- **Jiaxin Hu** and Miaoyan Wang. Multiway spherical clustering via degree-corrected tensor block models. *International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2022.
 - This work wins **Best Student Paper Award – honorable mention** from the Statistical Learning and Data Science Section of the American Statistical Association (ASA), 2022.
 - Part of the work is accepted into Advances in Neural Information Processing Systems 34 (NeurIPS 2021) Workshop on Quantum Tensor Networks in Machine Learning.
- **Jiaxin Hu**, Chanwoo Lee, and Miaoyan Wang. Generalized Tensor Decomposition with features on multiple modes. *Journal of Computational and Graphical Statistics*, 2021.
 - This work wins **Best Student Paper Award** from the Statistical Computing and Graphics Section of ASA, 2021.
 - Part of the work is accepted into NeurIPS 2020 Second Workshop on Machine Learning and the Physical Sciences.

Software

- **tensorregress**. R package to implement the supervised tensor decomposition in “Generalized Tensor Decomposition with features on multiple modes”. [[R CRAN](#)].

Talks

- Supervised Tensor Decomposition with Interactive Side Information.
 - Student paper award winner talk at Joint Statistical Meetings (JSM) 2021, Online.
 - Talk at Institute for Foundation of Data Science (IFDS) MADLab Workshop 2021, University of Wisconsin- Madison.
 - Poster at NeurIPS 2020 Workshop on Machine Learning and the Physical Sciences, Online.
 - Poster at IFDS Kickoff 2020, University of Wisconsin- Madison.
 - Poster at Annual Retreat of the Computation and Informatics in Biology and Medicine Program and the Bio-Data Science Program, University of Wisconsin-Madison.

Professional activities & Teaching

- **Invited Session Chair** of Software on Statistical Computing at JSM 2021.
- **Conference reviewer** for AISTATS 2021.
- **Discussion TA** of STAT 601 Statistical Method I, Fall 2020, Spring 2021, Fall 2021.
- **Discussion TA** of STAT 679 Statistics: Foundations & Regression and Big Data, Summer 2021.

Awards

- Best Student Paper Award from the Statistical Computing and Graphics Section of American Statistical Association (ASA), 2021
- Exchange & Visiting International Student Academic Excellence award (2019) at University of Wisconsin-Madison.
- Second-Class Scholarship for Excellent Students (2016-2018) at Wuhan University (5/51).