Bingkai Wang

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Education

Ph.D in Biostatistics, Johns Hopkins University, 2021 (expected)

M.S. in Mathematics, Fudan University, 2016

Professional Experience

Research Assistant, Department of Biostatistics, Johns Hopkins University, 2016-present.
Advisor: Michael Rosenblum and Brian Caffo.

Research Assistant, School of Mathematics, Fudan University, 2014-2016.
Advisor: Shuqin Zhang.

Research Assistant, State Key Laboratory of Institute of Brain Science, 2014-2016.
Advisor: Jiayi Zhang

Honors and Awards

Cersi Scholarship, National Institutes of Health and Johns Hopkins University, 2017.

Publications

Peer-reviewed Journal Articles

1. Paniz Charkhchi, **Bingkai Wang**, Brian Caffo and David M. Yousem. (2018) Bias in Neuroradiology Peer Review: Impact of a "Ding" on "Dinging" Others. *American Journal of Neuroradiology, December 2018.*

Preprints

1. Yi Zhao, **Bingkai Wang**, Stewart Mostofsky, Brian Caffo, Xi Luo. Covariate Assisted Principal Regression for Covariance Matrix Outcomes. *bioRxiv*, doi: https://doi.org/10.1101/425033.

2. **Wang, Bingkai**; Ogburn, Elizabeth; and Rosenblum, Michael, "Analysis of Covariance (ANCOVA) in Randomized Trials: More Precision, Less Conditional Bias, and Valid Confidence Intervals, Without Model Assumptions" (October 2018). *Johns Hopkins University, Dept. of Biostatistics Working Papers. Working Paper 292.* https://biostats.bepress.com/jhubiostat/paper292

Teaching

Guest Lecture, Statistical Theory I, 2017

Teaching Assistant, Statistical Theory I-IV, 2017-2018

Guest Lecture, Advanced Data Science II, 2018

Teaching Assistant, Advanced Data Science I-II, 2018

Professional Activities

Presentations

Benefits of adjustment for baseline variables in randomized trials. *JSM, Baltimore, USA, July 2017.*

Clarifying How Adjustment for Prognostic Baseline Variables Leads to More Precision and Less Bias in Randomized Trials. *ENAR, Atlanta, USA, March 2018*