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统计学院, 美国宾夕法尼亚州立大学, 州立学院, 美国

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工作经历和教育背景

冠名访问助理教授 统计学院, 宾夕法尼亚州立大学, 美国	2018-now
讲师 数学学院, 吉林大学, 中国	2015-2018
博士后 数学与纯数统计实验室, 剑桥大学, 英国	2013-2015
博士 统计学院, 明尼苏达大学, 美国	2008-2013
硕士 统计学院, 明尼苏达大学, 美国	2008-2011
硕博连读 数学学院, 吉林大学, 中国	2004-2008
学士 数学与统计学院, 东北师范大学, 中国	2000-2004

研究方向

- 高维数据检验
- 随机矩阵
- 高维组成成分数据数据分析
- 半参和非参方法
- 经验过程

已发表的文章 (*: CORRESPONDING AUTHOR)

- Danning Li, Lingzhou Xue and Hui Zou(2018). Application of Peter Hall's Martingale Limit Theory to Estimation and Testing High Dimensional Covariance Matrices, *Statistica Sinica* 28(4).
- Danning Li and Hui Zou(2016). SURE Information Criteria for Large Covariance Matrix Estimation and Their Asymptotic Properties, *IEEE Transactions On Information Theory*, VOL. 62. No.4, 2153-2168.
- Tiefeng Jiang and Danning Li*(2015). Approximation of Rectangular Beta-Laguerre Ensembles and Large Deviations, *Journal of Theoretical Probability and its Application*. 28(3), 804-847.
- Zhishan Dong, Tiefeng Jiang and Danning Li(2012). Circular Law and Arc Law for Truncation of Random Unitary Matrix, *Journal of Mathematical Physics*. 53, 013301-14.

在投的文章和手稿

- Danning Li, Lingzhou Xue and Xiufan Yu(2020). Power-enhanced simultaneous test of high-dimensional mean vectors and covariance matrices. Manuscript.
- Fangli Dong, Danning Li, Lingzhou Xue, and Hongyu Zhao(2020). Hypothesis Testing for High-Dimensional Time-Varying Gaussian Graphical Models. Manuscript.
- Tianqing Liu, Xiaohui Yuan, Arun Srinivasan, Danning Li* and Lingzhou Xue (2020). Nonparametric estimation of the independence structure via Hoeffding information criteria. Submitted to *Biometrika*.
- Xiufan Yu, Danning Li* and Lingzhou Xue*(2020). Fisher's combined probability test for high-dimensional covariance matrices. Submitted to *JRSSB*.
- Arun Srinivasan, Danning Li*, Lingzhou Xue* and Xiang Zhan(2019). Robust Shape Matrix Estimation for High-Dimensional Compositional Data with Application to Microbial Inter-Taxa Analysis. Submitted to *JASA*.
- Danning Li and Lingzhou Xue(2019). Joint limiting laws Via Gaussian approximation for testing covariance structure. Revision, submitted to *The Annals of Statistics*.
- Peijie Wang, Danning Li* and Jianguo Sun(2019). A Pairwise Pseudo-likelihood Approach for Left-truncated and Interval-censored Data under the Cox Model. Minor revision, submitted to *Biometrics*.

进展中的文章

- Shijie Cui, Danning Li, Runze Li and Lingzhou Xue(2020). High-Dimensional Rank structure test for Matrix-Valued Data. Draft.
- Danning Li, Arun Srinivasan and Lingzhou Xue(2020). Two-Sample Power-Enhanced Tests of High-Dimensional Means with Application to Compositional Microbiome Data Analysis. Draft.
- Xue Ding, Danning Li, Lingzhou Xue, and Haoyi Yang(2020). Power-enhanced tests for large covariance matrices in a spiked population model. Draft.
- Danning Li and Lingzhou Xue(2020). Joint limiting laws for rank based tests of independence in high dimensions. Draft.

教学经历

宾夕法尼亚州立大学

- 应用时间序列分析以及R

吉林大学

- 时间序列分析
- 概率论基础
- 经验过程

剑桥大学

- 随机矩阵

会议报告

2019, Joint Statistical Meetings (Denver, U.S.A)

2018, The 4th International Big Data Conference (Houston, U.S.A.)

2018, The 8th International Forum on Statistics (Beijing, China)

2017, Joint Statistical Meetings (Baltimore, U.S.A)

2016, 10th ICSA (International Chinese Statistical Association) Conference (Shanghai, China)

2015, New Researchers Conference on High-Dimensional Statistics in the Age of Big Data (Beijing, China)

2014, Joint Statistical Meetings (Boston, U.S.A)

推荐人

Runze Li, Professor of Statistics, Pennsylvania State University

Richard Samworth, Professor and Director of Statistical Laboratory, University of Cambridge

Lingzhou Xue, Associate Professor of Statistics, Pennsylvania State University

Hui Zou, Professor of Statistics, University of Minnesota