

On the Statistical Inference for Large Precision Matrices with Dependent Data

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Community Detection with Covariates

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Factor and Residual Empirical Processes

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Matrix Completion with Covariate Information

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Optimal Tuning Parameter Selection for Estimating Large Covariances

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Testing for Indirect and Spurious Causality

Xiaojun Song Peking University

A General Framework for Information Pooling in Two-Sample Sparse Inference

Yin Xia Fudan University

Detecting Variance Change-Points for Blocked Time Series and Dependent Panel Data

Minya Xu Peking University

Global Testing for High-Dimensional Correlation Matrices

Shurong Zheng Northeast Normal University

A Nonparametric Procedure for Detecting Homogeneity of High-dimensional Means with Application to fMRI Studies

Pingshou Zhong Michigan State University

Test Independence Between Two Random Vectors

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Changliang Zou Nankai University