

THE ANNALS *of* STATISTICS

AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS

Articles

- The two-to-infinity norm and singular subspace geometry with applications to high-dimensional statistics . . . JOSHUA CAPE, MINH TANG AND CAREY E. PRIEBE 2405
- Isotonic regression in general dimensions QIYANG HAN, TENGYAO WANG, SABYASACHI CHATTERJEE AND RICHARD J. SAMWORTH 2440
- Property testing in high-dimensional Ising models MATEY NEYKOV AND HAN LIU 2472
- A knockoff filter for high-dimensional selective inference
RINA FOYGEL BARBER AND EMMANUEL J. CANDÈS 2504
- Semi-supervised inference: General theory and estimation of means
ANRU ZHANG, LAWRENCE D. BROWN AND T. TONY CAI 2538
- Doubly penalized estimation in additive regression with high-dimensional data
ZHIQIANG TAN AND CUN-HUI ZHANG 2567
- Semiparametrically point-optimal hybrid rank tests for unit roots
BO ZHOU, RAMON VAN DEN AKKER AND BAS J. M. WERKER 2601
- The middle-scale asymptotics of Wishart matrices
DIDIER CHÉTELAT AND MARTIN T. WELLS 2639
- Linear hypothesis testing for high dimensional generalized linear models
CHENGCHUN SHI, RUI SONG, ZHAO CHEN AND RUNZE LI 2671
- An operator theoretic approach to nonparametric mixture models
ROBERT A. VANDERMEULEN AND CLAYTON D. SCOTT 2704
- Phase transition in the spiked random tensor with Rademacher prior WEI-KUO CHEN 2734
- Distance multivariate: New dependence measures for random vectors
BJÖRN BÖTTCHER, MARTIN KELLER-RESSEL AND RENÉ L. SCHILLING 2757
- A unified treatment of multiple testing with prior knowledge using the p-filter
AADITYA K. RAMDAS, RINA F. BARBER, MARTIN J. WAINWRIGHT
AND MICHAEL I. JORDAN 2790
- Exact lower bounds for the agnostic probably-approximately-correct (PAC) machine learning model ARYEH KONTOROVICH AND IOSIF PINELIS 2822
- Eigenvalue distributions of variance components estimators in high-dimensional random effects models ZHOU FAN AND IAIN M. JOHNSTONE 2855
- Test for high-dimensional correlation matrices
SHURONG ZHENG, GUANGHUI CHENG, JIANHUA GUO AND HONGTU ZHU 2887
- Projected spline estimation of the nonparametric function in high-dimensional partially linear models for massive data . . . HENG LIAN, KAIFENG ZHAO AND SHAOGAO LV 2922
- Inference for the mode of a log-concave density
CHARLES R. DOSS AND JON A. WELLNER 2950
- Testing for independence of large dimensional vectors
TARAS BODNAR, HOLGER DETTE AND NESTOR PAROLYA 2977