

THE ANNALS *of* STATISTICS

AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS

Articles

- Variable selection with Hamming loss CRISTINA BUTUCEA, MOHAMED NDAOUD,
NATALIA A. STEPANOVA AND ALEXANDRE B. TSYBAKOV 1837
- Randomization-based causal inference from split-plot designs ANQI ZHAO, PENG DING,
RAHUL MUKERJEE AND TIRTHANKAR DASGUPTA 1876
- A new perspective on robust M -estimation: Finite sample theory and applications to
dependence-adjusted multiple testing
WEN-XIN ZHOU, Koushiki BOSE, JIANQING FAN AND HAN LIU 1904
- Robust covariance and scatter matrix estimation under Huber's contamination model
MENGJIE CHEN, CHAO GAO AND ZHAO REN 1932
- Empirical best prediction under a nested error model with log transformation
ISABEL MOLINA AND NIRIAN MARTÍN 1961
- Backward nested descriptors asymptotics with inference on stem cell differentiation
STEPHAN F. HUCKEMANN AND BENJAMIN ELTZNER 1994
- Change-point detection in multinomial data with a large number of categories
GUANGHUI WANG, CHANGLIANG ZOU AND GUOSHENG YIN 2020
- Local asymptotic normality property for fractional Gaussian noise under high-frequency
observations ALEXANDRE BROUSTE AND MASAOKI FUKASAWA 2045
- Global testing against sparse alternatives under Ising models
RAJARSHI MUKHERJEE, SUMIT MUKHERJEE AND MING YUAN 2062
- Principal component analysis for second-order stationary vector time series
JINYUAN CHANG, BIN GUO AND QIWEI YAO 2094
- Estimation of a monotone density in s -sample biased sampling models
KWUN CHUEN GARY CHAN, HOK KAN LING, TONY SIT AND
SHEUNG CHI PHILLIP YAM 2125
- Community detection in degree-corrected block models . . CHAO GAO, ZONGMING MA,
ANDERSON Y. ZHANG AND HARRISON H. ZHOU 2153
- CLT for largest eigenvalues and unit root testing for high-dimensional nonstationary time
series BO ZHANG, GUANGMING PAN AND JITI GAO 2186
- Smooth backfitting for errors-in-variables additive models
KYUNGHEE HAN AND BYEONG U. PARK 2216
- Unifying Markov properties for graphical models
STEFFEN LAURITZEN AND KAYVAN SADEGHI 2251
- Adaptation in log-concave density estimation
ARLENE K. H. KIM, ADITYANAND GUNTUBOYINA AND RICHARD J. SAMWORTH 2279
- Weak convergence of a pseudo maximum likelihood estimator for the extremal index
BETINA BERGHAUS AND AXEL BÜCHER 2307
- Semiparametric efficiency bounds for high-dimensional models
JANA JANKOVÁ AND SARA VAN DE GEER 2336
- Limit theorems for eigenvectors of the normalized Laplacian for random graphs
MINH TANG AND CAREY E. PRIEBE 2360
- Optimality and sub-optimality of PCA I: Spiked random matrix models
AMELIA PERRY, ALEXANDER S. WEIN, AFONSO S. BANDEIRA AND
ANKUR MOITRA 2416
- On the exponentially weighted aggregate with the Laplace prior
ARNAK S. DALALYAN, EDWIN GRAPPIN AND QUENTIN PARIS 2452
- Goodness-of-fit testing of error distribution in linear measurement error models
HIRA L. KOUL, WEIXING SONG AND XIAOQING ZHU 2479