

THE ANNALS *of* STATISTICS

AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS

Articles

- Test for bandedness of high-dimensional covariance matrices and bandwidth estimation
YUMOU QIU AND SONG XI CHEN 1285
- Multi-objective optimal designs in comparative clinical trials with covariates:
The reinforced doubly adaptive biased coin design
ALESSANDRO BALDI ANTOGNINI AND MAROUSSA ZAGORIAIOU 1315
- High-dimensional structure estimation in Ising models: Local separation criterion
ANIMASHREE ANANDKUMAR, VINCENT Y. F. TAN, FURONG HUANG
AND ALAN S. WILLSKY 1346
- Inference of time-varying regression models TING ZHANG AND WEI BIAO WU 1376
- Nonconcave penalized composite conditional likelihood estimation of sparse Ising
models LINGZHOU XUE, HUI ZOU AND TIANXI CAI 1403
- Identifying the successive Blumenthal–Gettoor indices of a discretely observed process
YACINE AÏT-SAHALIA AND JEAN JACOD 1430
- Modeling left-truncated and right-censored survival data with longitudinal covariates
YU-RU SU AND JANE-LING WANG 1465
- Bernstein–von Mises theorem for linear functionals of the density
VINCENT RIVOIRARD AND JUDITH ROUSSEAU 1489
- Minimax signal detection in ill-posed inverse problems
YURI I. INGSTER, THEOFANIS SAPATINAS AND IRINA A. SUSLINA 1524
- Criteria for Bayesian model choice with application to variable selection
M. J. BAYARRI, J. O. BERGER, A. FORTE AND G. GARCÍA-DONATO 1550
- The limit distribution of the L_∞ -error of Grenander-type estimators
CÉCILE DURÓT, VLADIMIR N. KULIKOV AND HENDRIK P. LOPUHAĀ 1578
- Partially monotone tensor spline estimation of the joint distribution function with
bivariate current status data YUAN WU AND YING ZHANG 1609
- High-dimensional regression with noisy and missing data: Provable guarantees with
nonconvexity PO-LING LOH AND MARTIN J. WAINWRIGHT 1637
- Identifying locally optimal designs for nonlinear models: A simple extension with
profound consequences MIN YANG AND JOHN STUFKEN 1665
- Half-trek criterion for generic identifiability of linear structural equation models
RINA FOYGEL, JAN DRAISMA AND MATHIAS DRTON 1682
- Nearly root- n approximation for regression quantile processes STEPHEN PORTNOY 1714
- Edge universality of correlation matrices NATESH S. PILLAI AND JUN YIN 1737
- An M-estimator for tail dependence in arbitrary dimensions
JOHN H. J. EINMAHL, ANDREA KRAJINA AND JOHAN SEGERS 1764
- Asymptotic properties of covariate-adaptive randomization
YANQING HU AND FEIFANG HU 1794
- Semiparametric theory for causal mediation analysis: Efficiency bounds, multiple
robustness and sensitivity analysis
ERIC J. TCHETGEN TCHETGEN AND ILYA SHPITSER 1816
- Robust rank correlation based screening
GAORONG LI, HENG PENG, JUN ZHANG AND LIXING ZHU 1846
- Deviation optimal learning using greedy Q -aggregation
DONG DAI, PHILIPPE RIGOLLET AND TONG ZHANG 1878
- Flexible generalized varying coefficient regression models
YOUNG K. LEE, ENNO MAMMEN AND BYEONG U. PARK 1906