

THE ANNALS *of* APPLIED STATISTICS

AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS

Articles

- Clustering on the torus by conformal prediction
SUNGKYU JUNG, KIHO PARK AND BYUNGWON KIM 1583
- Uncertainty quantification of a computer model for binary black hole formation
LUYAO LIN, DEREK BINGHAM, FLOOR BROEKGAARDEN AND ILYA MANDEL 1604
- Markov random field models for vector-based representations of landscapes
PATRIZIA ZAMBERLETTI, JULIEN PAPAÏX, EDITH GABRIEL AND THOMAS OPITZ 1628
- VCSEL: Prioritizing SNP-set by penalized variance component selection
JUHYUN KIM, JUDONG SHEN, ANRAN WANG, DEVAN V. MEHROTRA,
SEYOON KO, JIN J. ZHOU AND HUA ZHOU 1652
- Zero-inflated quantile rank-score based test (ZIQRank) with application to scRNA-seq
differential gene expression analysis WODAN LING, WENFEI ZHANG,
BIN CHENG AND YING WEI 1673
- Joint and individual analysis of breast cancer histologic images and genomic covariates
IAIN CARMICHAEL, BENJAMIN C. CALHOUN, KATHERINE A. HOADLEY,
MELISSA A. TROESTER, JOSEPH GERADTS, HEATHER D. COUTURE,
LINNEA OLSSON, CHARLES M. PEROU, MARC NIETHAMMER,
JAN HANNIG AND J. S. MARRON 1697
- Bayesian multistudy factor analysis for high-throughput biological data
ROBERTA DE VITO, RUGGERO BELLIO,
LORENZO TRIPPA AND GIOVANNI PARMIGIANI 1723
- A Bayesian nonparametric approach to super-resolution single-molecule localization
MARIANO I. GABITTO, HERVE MARIE-NELLY, ARI PAKMAN, ANDRAS PATAKI,
XAVIER DARZACQ AND MICHAEL I. JORDAN 1742
- Bridging randomized controlled trials and single-arm trials using commensurate priors in
arm-based network meta-analysis ZHENXUN WANG, LIFENG LIN,
THOMAS MURRAY, JAMES S. HODGES AND HAITAO CHU 1767
- Information content of high-order associations of the human gut microbiota network
WESTON D. VILES, JULIETTE C. MADAN, HONGZHE LI,
MARGARET R. KARAGAS AND ANNE G. HOEN 1788
- RADIOHEAD: Radiogenomic analysis incorporating tumor heterogeneity in imaging
through densities SHARIQ MOHAMMED, KARTHIK BHARATH,
SEBASTIAN KURTEK, ARVIND RAO AND
VEERABHADRN BALADANDAYUTHAPANI 1808
- Assessing the reliability of wind power operations under a changing climate with a
non-Gaussian bias correction JIACHEN ZHANG, PAOLA CRIPPA,
MARC G. GENTON AND STEFANO CASTRUCCIO 1831
- Nonparametric importance sampling for wind turbine reliability analysis with stochastic
computer models SHUORAN LI, YOUNG MYOUNG KO AND EUNSHIN BYON 1850
- Estimating animal utilization distributions from multiple data types: A joint
spatiotemporal point process framework JOE WATSON, RUTH JOY,
DOMINIC TOLLIT, SHEILA J. THORNTON AND MARIE AUGER-MÉTHÉ 1872

Continued on back cover