

THE ANNALS *of* APPLIED STATISTICS

AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS

Articles

- Modelling multilevel spatial behaviour in binary-mark muscle fibre configurations TILMAN M. DAVIES, MATTHEW R. SCHOFIELD, JON CORNWALL AND PHILIP W. SHEARD 1329
- Identifying and estimating principal causal effects in a multi-site trial of Early College High Schools LO-HUA YUAN, AVI FELLER AND LUKE W. MIRATRIX 1348
- Imputation and post-selection inference in models with missing data: An application to colorectal cancer surveillance guidelines
LIN LIU, YUQI QIU, LOKI NATARAJAN AND KAREN MESSER 1370
- A hidden Markov model approach to characterizing the photo-switching behavior of fluorophores LEKHA PATEL, NILS GUSTAFSSON, YU LIN, RAIMUND OBER, RICARDO HENRIQUES AND EDWARD COHEN 1397
- Identifying multiple changes for a functional data sequence with application to freeway traffic segmentation JENG-MIN CHIOU, YU-TING CHEN AND TAILEN HSING 1430
- The classification permutation test: A flexible approach to testing for covariate imbalance in observational studies JOHANN GAGNON-BARTSCH AND YOTAM SHEM-TOV 1464
- Spatio-temporal short-term wind forecast: A calibrated regime-switching method
AHMED AZIZ EZZAT, MIKYOUNG JUN AND YU DING 1484
- Network modelling of topological domains using Hi-C data Y. X. RACHEL WANG, PURNAMRITA SARKAR, OANA URSU, ANSHUL KUNDAJE AND PETER J. BICKEL 1511
- Fast dynamic nonparametric distribution tracking in electron microscopic data
YANJUN QIAN, JIANHUA Z. HUANG, CHIWO PARK AND YU DING 1537
- Distributional regression forests for probabilistic precipitation forecasting in complex terrain LISA SCHLOSSER, TORSTEN HOTHORN, RETO STAUFFER AND ACHIM ZEILEIS 1564
- Modeling seasonality and serial dependence of electricity price curves with warping functional autoregressive dynamics YING CHEN, J. S. MARRON AND JIEJIE ZHANG 1590
- RCRnorm: An integrated system of random-coefficient hierarchical regression models for normalizing NanoString nCounter data GAOXIANG JIA, XINLEI WANG, QIWEI LI, WEI LU, XIMING TANG, IGNACIO WISTUBA AND YANG XIE 1617
- Network classification with applications to brain connectomics
JESÚS D. ARROYO RELIÓN, DANIEL KESSLER, ELIZAVETA LEVINA AND STEPHAN F. TAYLOR 1648
- Sequential decision model for inference and prediction on nonuniform hypergraphs with application to knot matching from computational forestry SEONG-HWAN JUN, SAMUEL W. K. WONG, JAMES V. ZIDEK AND ALEXANDRE BOUCHARD-CÔTÉ 1678
- A Bayesian mark interaction model for analysis of tumor pathology images
QIWEI LI, XINLEI WANG, FAMING LIANG AND GUANGHUA XIAO 1708
- A hierarchical Bayesian model for single-cell clustering using RNA-sequencing data
YIYI LIU, JOSHUA L. WARREN AND HONGYU ZHAO 1733