



ARTICLES

Smoothing and Regression

- 295 Estimation and Prediction in Spatial Models With Block Composite Likelihoods
JO EIDSVIK, BENJAMIN A. SHABY, BRIAN J. REICH, MATTHEW WHEELER, AND JARAD NIEMI
- 316 Fast Kalman Filtering and Forward-Backward Smoothing via a Low-Rank Perturbative Approach
EFTYCHIOS A. PNEVMATIKAKIS, KAMIAR RAHNAMA RAD, JONATHAN HUGGINS, AND LIAM PANINSKI
- 340 Complex Region Spatial Smoother (CReSS) *L. A. S. SCOTT-HAYWARD, M. L. MACKENZIE, C. R. DONOVAN, C. G. WALKER, AND E. ASHE*
- 361 Boosted Varying-Coefficient Regression Models for Product Demand Prediction
JIANQIANG C. WANG AND TREVOR HASTIE

Machine Learning and Object-Oriented Data Analysis

- 383 Two-Dimensional Solution Surface for Weighted Support Vector Machines
SEUNG JUN SHIN, YICHAO WU, AND HAO HELEN ZHANG
- 403 Estimating the Number of Clusters via the GUD Statistic *JIYAO KOU*
- 418 Functional Data Analysis of Tree Data Objects *DAN SHEN, HAIPENG SHEN, SHANKAR BHAMIDI, YOLANDA MUÑOZ MALDONADO, YONGDAI KIM, AND J. S. MARRON*

Large p Small n

- 439 Sparse Covariance Matrix Estimation With Eigenvalue Constraints *HAN LIU, LIE WANG, AND TUO ZHAO*
- 460 GLMMLasso: An Algorithm for High-Dimensional Generalized Linear Mixed Models Using ℓ_1 -Penalization *JÜRIG SCHELLDORFER, LUKAS MEIER, AND PETER BÜHLMANN*
- 478 Tilted Correlation Screening Learning in High-Dimensional Data Analysis *BINGQING LIN AND ZHEN PANG*

Monte Carlo and Bayesian Methods

- 497 A Monte Carlo-Adjusted Goodness-of-Fit Test for Parametric Models Describing Spatial Point Patterns *NGOC ANH DAO AND MARC G. GENTON*
- 518 Exact Hamiltonian Monte Carlo for Truncated Multivariate Gaussians *ARI PAKMAN AND LIAM PANINSKI*
- 543 Automated Factor Slice Sampling *MATTHEW M. TIBBITS, CHRIS GROENDYKE, MURALI HARAN, AND JOHN C. LIECHTY*
- 564 Variational Approximation for Mixtures of Linear Mixed Models *SIEW LI TAN AND DAVID J. NOTT*
- 586 Recent Publications in JSS

JCGS is available on JSTOR. JCGS is indexed by Current Index to Statistics, EBSCO Discovery, Google Scholar, SCOPUS, MathSciNet, STMA-Z, and Web of Science.

Cover art adapted from "Estimation and Prediction in Spatial Models With Block Composite Likelihoods," p. 310.

Instructions for authors can be found at www.tandfonline.com/r/jcgs.

NT. 16005964
of. 500137