

# THE ANNALS *of* STATISTICS

*AN OFFICIAL JOURNAL OF THE*  
INSTITUTE OF MATHEMATICAL STATISTICS

## Articles

- Exact post-selection inference, with application to the lasso  
JASON D. LEE, DENNIS L. SUN, YUEKAI SUN AND JONATHAN E. TAYLOR 907
- Nonparametric eigenvalue-regularized precision or covariance matrix estimator  
CLIFFORD LAM 928
- Global rates of convergence of the MLEs of log-concave and  $s$ -concave densities  
CHARLES R. DOSS AND JON A. WELLNER 954
- Classification in general finite dimensional spaces with the  $k$ -nearest neighbor rule  
SÉBASTIEN GADAT, THIERRY KLEIN AND CLÉMENT MARTEAU 982
- A new prior for discrete DAG models with a restricted set of directions  
HÉLÈNE MASSAM AND JACEK WESOŁOWSKI 1010
- SLOPE is adaptive to unknown sparsity and asymptotically minimax  
WEIJIE SU AND EMMANUEL CANDÈS 1038
- Supremum norm posterior contraction and credible sets for nonparametric multivariate regression . . . . . WILLIAM WEIMIN YOO AND SUBHASHIS GHOSAL 1069
- Optimal designs for comparing curves . . . . . HOLGER DETTE AND KIRSTEN SCHORNING 1103
- Randomization-based models for multitiered experiments: I. A chain of randomizations  
R. A. BAILEY AND C. J. BRIEN 1131
- Vector quantile regression: An optimal transport approach  
GUILLAUME CARLIER, VICTOR CHERNOZHUKOV AND ALFRED GALICHON 1165
- Structure identification in panel data analysis  
YUAN KE, JIALIANG LI AND WENYANG ZHANG 1193
- Inference for single-index quantile regression models with profile optimization  
SHUJIE MA AND XUMING HE 1234
- Theoretical analysis of nonparametric filament estimation  
WANLI QIAO AND WOLFGANG POLONIK 1269
- Semiparametric efficient estimation for shared-frailty models with doubly-censored clustered data . . . . . YU-RU SU AND JANE-LING WANG 1298
- Approximation and estimation of  $s$ -concave densities via Rényi divergences  
QIYANG HAN AND JON A. WELLNER 1332

## Correction

- Limit theorems for empirical processes of cluster functionals  
HOLGER DREES AND HOLGER ROOTZÉN 1360