

# Journal of Computational and Graphical Statistics

Volume 20 \* Number 4 \* December 2011

---

## ARTICLES

### 20th Anniversary Features: A Bit of History and Graphics

- 793 Extracting Sunbeams From Cucumbers *RICHARD A. FEINBERG AND HOWARD WAINER*
- 811 Early Computational Statistics *MITCHELL WATNIK*
- 818 JCGS@20, Visuals@40, Interface@45 & !!Challenges!! *ARNOLD GOODMAN*

### Mining High-Dimensional Data

- 830 Penalized Functional Regression *JEFF GOLDSMITH, JENNIFER BOBB, CIPRIAN M. CRAINICEANU, BRIAN CAFFO, AND DANIEL REICH*
- 852 Multilevel Functional Principal Component Analysis for High-Dimensional Data *VADIM ZIPUNNIKOV, BRIAN CAFFO, DAVID M. YOUSEM, CHRISTOS DAVATZIKOS, BRIAN S. SCHWARTZ, AND CIPRIAN CRAINICEANU*
- 874 Exploratory Factor Analysis of Data Matrices With More Variables Than Observations *NICKOLAY T. TRENDAFILOV AND STEFFEN UNKEL*
- 892 New Insights and Faster Computations for the Graphical Lasso *DANIELA M. WITTEN, JEROME H. FRIEDMAN, AND NOAH SIMON*
- 901 Reinforced Multicategory Support Vector Machines *YUFENG LIU AND MING YUAN*
- 920 Iterative Reclassification in Agglomerative Clustering *NICHOLAS A. HEARD*
- 937 On Adaptive Regularization Methods in Boosting *MARK CULP, GEORGE MICHAILIDIS, AND KJELL JOHNSON*
- 956 A Framework for Unbiased Model Selection Based on Boosting *BENJAMIN HOFNER, TORSTEN HOTHORN, THOMAS KNEIB, AND MATTHIAS SCHMID*
- 972 A Homotopy Algorithm for the Quantile Regression Lasso and Related Piecewise Linear Problems *M. R. OSBORNE AND B. A. TURLACH*

### High-Dimensional Visualization Methods

- 988 Determining and Depicting Relationships Among Components in High-Dimensional Variable Selection *PETER HALL AND HUGH MILLER*
- 1007 Partition Maps *NICOLAI MEINSHAUSEN*
- 1029 **Recent Publications in JSS**
- 1031 **Editorial Collaborators**
- 1034 **Index**

---

JCGS is available on JSTOR. JCGS is indexed by MathSci Online and *Current Index to Statistics*.

On the cover: Cover art adapted from Figure 2 of "Partition Maps," page 1014.