

TECHNOMETRICS

Volume 55, Number 4, November 2013

The 2012 <i>Technometrics</i> Prizes	383	A Case Study on Selecting a Best Allocation of New Data for Improving the Estimation Precision of System and Subsystem Reliability Using Pareto Fronts	473
Editor's Report		Lu Lu, Jessica L. Chapman, and Christine M. Anderson-Cook	
	Hugh A. Chipman		
Special Issue: Conference on Data Analysis (CoDA) — Exploring Data-Focused Research across the Department of Energy	386		
	Kary Myers, Earl Lawrence, and Hugh A. Chipman		
		Computer Model Calibration Using the Ensemble Kalman Filter	
		Dave Higdon, Jim Gattiker, Earl Lawrence, Matt Pratola, Charles Jackson, Michael Tobis, Salman Habib, Katrin Heitmann, and Steve Price	488
Bayesian Nonparametric Models for Community Detection			
	Jiqiang Guo, Daniel J. Nordman, and Alyson G. Wilson		
		Prediction and Computer Model Calibration Using Outputs From Multifidelity Simulators	
Scan Statistics for the Online Detection of Locally Anomalous Subgraphs	390		
	Joshua Neil, Curtis Hash, Alexander Brugh, Mike Fisk, and Curtis B. Storlie		
		Joslin Goh, Derek Bingham, James Paul Holloway, Michael J. Grosskopf, Carolyn C. Kuranz, and Erica Rutter	501
Measuring Political Sentiment on Twitter: Factor Optimal Design for Multinomial Inverse Regression			
	Matt Taddy		
		A Parallel EM Algorithm for Model-Based Clustering Applied to the Exploration of Large Spatio-Temporal Data	
		Wei-Chen Chen, George Ostrouchov, David Pugmire, Prabhat, and Michael Wehner	513
Model Bank State Estimation for Power Grids Using Importance Sampling			
	Earl Lawrence, Scott Vander Wiel, and Russell Bent		
		Point Estimation of the Central Orientation of Random Rotations	
		Bryan Stanfill, Ulrike Genschel, and Heike Hofmann	524
Methods for Characterizing and Comparing Populations of Shock Wave Curves			
	Curtis B. Storlie, Michael L. Fugate, David M. Higdon, Aparna V. Huzurbazar, Elizabeth G. Francois, and Douglas C. McHugh		
		Matched-Pair Machine Learning	
		James Theiler	536
A Bayesian Measurement Error Model for Misaligned Radiographic Data			
	Kristin P. Lennox and Lee G. Glascoe		
		Significance of Angle in the Statistical Comparison of Forensic Tool Marks	
		Amy B. Lock and Max D. Morris	548
Bayesian Methods for Estimating System Reliability Using Heterogeneous Multilevel Information			
	Jiqiang Guo and Alyson G. Wilson		
		Book Reviews	562
		2012 Ziegel Award Announcement	573
		Editorial Collaborators	574