

Contents

Preface	
<i>Deborah Nolan and Terry Speed</i>	v
Contributors	
.	vi
PROBABILITY	
Probability theory and its models	
<i>Paul Humphreys</i>	1
Dutch book in simple multivariate normal prediction: Another look	
<i>Morris L. Eaton</i>	12
A transient Markov chain with finitely many cutpoints	
<i>Nicholas James, Russell Lyons and Yuval Peres</i>	24
Moments of convex distribution functions and completely alternating sequences	
<i>Alexander Gnedin and Jim Pitman</i>	30
Brownian motion on disconnected sets, basic hypergeometric functions, and some continued fractions of Ramanujan	
<i>Shankar Bhamidi, Steven N. Evans, Ron Peled and Peter Ralph</i>	42
STATISTICS	
Characteristics of hand and machine-assigned scores to college students' answers to open-ended tasks	
<i>Stephen P. Klein</i>	76
Alternative formulas for synthetic dual system estimation in the 2000 census	
<i>Lawrence Brown and Zhanyun Zhao</i>	90
On the history and use of some standard statistical models	
<i>E. L. Lehmann</i>	114
Counting the homeless in Los Angeles County	
<i>Richard Berk, Brian Kriegler and Donald Ylvisaker</i>	127
Statistical adjustment for a measure of healthy lifestyle doesn't yield the truth about hormone therapy	
<i>Diana B. Petitti and Wansu Chen</i>	142
Multiple tests of association with biological annotation metadata	
<i>Sandrine Dudoit, Sündüz Keleş and Mark J. van der Laan</i>	153
Multivariate data analysis: The French way	
<i>Susan Holmes</i>	219
The future of census coverage surveys	
<i>Kenneth Wachter</i>	234
Three months journeying of a Hawaiian monk seal	
<i>David R. Brillinger, Brent S. Stewart and Charles L. Littnan</i>	246
Projection pursuit for discrete data	
<i>Persi Diaconis and Julia Salzman</i>	265
DNA Probabilities in <i>People v. Prince</i>: When are racial and ethnic statistics relevant?	
<i>David H. Kaye</i>	289

Testing earthquake predictions <i>Brad Luen and Philip B. Stark</i>	302
Curse-of-dimensionality revisited: Collapse of the particle filter in very large scale systems <i>Thomas Bengtsson, Peter Bickel and Bo Li</i>	316
Higher order influence functions and minimax estimation of nonlinear functionals <i>James Robins, Lingling Li, Eric Tchetgen and Aad van der Vaart</i>	335