

Contents

Preface	v
Dedication	vi
Contributors	vii
Deconvolution by simulation	
<i>Colin Mallows</i>	1
An iterative tomogravity algorithm for the estimation of network traffic	
<i>Jiangang Fang, Yehuda Vardi and Cun-Hui Zhang</i>	12
Statistical inverse problems in active network tomography	
<i>Earl Lawrence, George Michailidis and Vijayan N. Nair</i>	24
Network tomography based on 1-D projections	
<i>Aiyou Chen and Jin Cao</i>	45
Using data network metrics, graphics, and topology to explore network characteristics	
<i>A. Adhikari, L. Denby, J. M. Landwehr and J. Meloche</i>	62
A flexible Bayesian generalized linear model for dichotomous response data with an application to text categorization	
<i>Susana Eyheramendy and David Madigan</i>	76
Estimating the proportion of differentially expressed genes in comparative DNA microarray experiments	
<i>Javier Cabrera and Ching-Ray Yu</i>	92
Functional analysis via extensions of the band depth	
<i>Sara López-Pintado and Rebecka Jornsten</i>	103
A representative sampling plan for auditing health insurance claims	
<i>Arthur Cohen and Joseph Naus</i>	121
Confidence distribution (CD) – distribution estimator of a parameter	
<i>Kesar Singh, Minge Xie and William E. Strawderman</i>	132
Empirical Bayes methods for controlling the false discovery rate with dependent data	
<i>Weihua Tang and Cun-Hui Zhang</i>	151
A smoothing model for sample disclosure risk estimation	
<i>Yosef Rinott and Natalie Shlomo</i>	161
A note on the U, V method of estimation	
<i>Arthur Cohen and Harold Sackrowitz</i>	172
Local polynomial regression on unknown manifolds	
<i>Peter J. Bickel and Bo Li</i>	177
Shape restricted regression with random Bernstein polynomials	
<i>I-Shou Chang, Li-Chu Chien, Chao A. Hsiung, Chi-Chung Wen and Yuh-Jenn Wu</i>	187
Non- and semi-parametric analysis of failure time data with missing failure indicators	
<i>Irene Gijbels, Danyu Lin and Zhiliang Ying</i>	203

Nonparametric estimation of a distribution function under biased sampling and censoring <i>Micha Mandel</i>	224
Estimating a Polya frequency function₂ <i>Jayanta Kumar Pal, Michael Woodroofe and Mary Meyer</i>	239
A comparison of the accuracy of saddlepoint conditional cumulative distribution function approximations <i>Juan Zhang and John E. Kolassa</i>	250
Multivariate medians and measure-symmetrization <i>Richard A. Vitale</i>	260
Statistical thinking: From Tukey to Vardi and beyond <i>Larry Shepp</i>	268