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Nota di contenuto	Foreword; Preface; Contents; 1. High-Dimensional Discrete Statistical Models: UIP, MCP and CSI in Perspectives P. K. Sen; 2. A Review of Multivariate Theory for High Dimensional Data with Fewer Observations M. S. Srivastava; 3. Model Based Penalized Clustering for Multivariate Data S. Ghosh and D. K. Dey; 4. Jacobians Under Constraints and Statistical Bioinformatics K. V. Mardia; 5. Cluster Validation for Microarray Data: An Appraisal V. Pihur, G. N. Brock and S. Datta; 6. Flexible Bivariate Circular Models B. C. Arnold and A. SenGupta 7. Optimal Text Space Representation of Student Essays Using Latent Semantic Analysis A. Villacorta and S. R. Jammalamadaka 8. Linear Regression for Random Measures M. M. Rao; 9. Mixed Multivariate Models for Random Sums and Maxima T. J. Kozubowski, A. K. Panorska and F. Biondi; 10. Estimation of the Multivariate Box-Cox Transformation Parameters M. Rahman and L. M. Pearson; 11. Generation of Multivariate Densities R. N. Rattihalli and A. N. Basugade; 12. Smooth Estimation of Multivariate Distribution and Density Functions Y. P. Chaubey 13. Estimation Using Quantile Function Structure with Emphasis on

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Sommario/riassunto

This volume contains a collection of research articles on multivariate statistical methods, encompassing both theoretical advances and emerging applications in a variety of scientific disciplines. It serves as a tribute to Professor S N Roy, an eminent statistician who has made seminal contributions to the area of multivariate statistical methods, on his birth centenary. In the area of emerging applications, the topics include bioinformatics, categorical data and clinical trials, econometrics, longitudinal data analysis, microarray data analysis, sample surveys, statistical process control, et