Record Nr.	UNINA9910463478003321
Titolo	Nonparametric statistical methods and related topics [[electronic resource]]: a festschrift in honor of Professor P.K. Bhattacharya on the occasion of his 80th birthday / / editors: J. Jiang, G.G. Roussas, F.J. Samaniego
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2012
ISBN	981-4366-57-9
Descrizione fisica	1 online resource (479 p.)
Altri autori (Persone)	BhattacharyaProdyot K JiangJiming RoussasGeorge G SamaniegoFrancisco J
Disciplina	519.5
Soggetti	Nonparametric statistics Mathematical statistics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<ul> <li>Preface; Contents; Review Papers; 1. On the Scholarly Work of P. K.</li> <li>Bhattacharya P. Hall and F. J. Samaniego; 1. Introduction; 2. Early work and foundations for the future; 3. Forays into decision theory; 4. Work on density estimation and related problems; 5. Special explorations; 6.</li> <li>Work on statistical quality control; 7. Work of cosmic significance; 8.</li> <li>Inference about change points; 9. Discussion; References; 2. The Propensity Score and Its Role in Causal Inference C. Drake and T. Loux;</li> <li>1. Introduction; The Rubin Causal Model (RCM); 2. The propensity score; 3. Propensity score estimation</li> <li>4. Applications of propensity scores5. Summary; References; 3. Recent Tests for Symmetry with Multivariate and Structured Data: A Review S.</li> <li>G. Meintanis and J. Ngatchou-Wandji; 1. Introduction; 2. Notions of and testing for multivariate symmetry; 2.1. Diagonal symmetry; 2.2.</li> <li>Spherical symmetry; 2.3. Elliptical symmetry; 3. Testing symmetry with structured data; 3.1. Linear regression; 3.2. Nonparametric regression; 3.3. Conditional symmetry in time series; 4. Testing for symmetry in</li> </ul>

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	random effect models; 4.1. Model and tests; 4.2. Specification of estimation and test statistics 4.3. Simulations5. Other procedures for testing symmetry and conclusion; References; Papers on General Nonparametric Inference; 4. On Robust Versions of Classical Tests with Dependent Data J. Jiang; 1. Introduction; 2. Robust Tests; 2.1. Basic idea, assumptions, and
	examples; 2.2. The W-, S-, and L- test statistics; 3. Asymptotic theory; 4. Application to mixed linear models; Acknowledgments; Appendix A. Proofs; References; 5. Density Estimation by Sampling from Stationary Continuous Time Parameter Associated Processes G. G. Roussas and D. Bhattacharya; 1. Introduction
	<ol> <li>Asymptotic unbiasedness and representation of the bias3.</li> <li>Asymptotic behavior of the variance of the estimate and consistency in quadratic mean; 4. Asymptotically uncorrelated; 5. Uniform strong convergence of the estimates; References; 6. A Short Proof of the Feigin-Tweedie Theorem on the Existence of the Mean Functional of a Dirichlet Process J. Sethuraman; 1. Introduction; 2. Dirichlet processes;</li> <li>Two-parameter Dirichlet processes; References; 7. Max-Min Bernstein Polynomial Estimation of a Discontinuity in Distribution KS. Song; 1. Introduction</li> </ol>
	<ol> <li>Max-Min Bernstein Polynomial Estimation Method3. Main Result; 4. Proofs; 5. Numerical Experiments; Acknowledgments; References; 8. U- Statistics Based on Higher-Order Spacings D. D. Tung and S. R. Jammalamadaka; 1. Introduction; 2. The Asymptotic Null Distribution;</li> <li>The Asymptotic Distribution Under a Sequence of Close Alternatives;</li> <li>The Asymptotically Locally Most Powerful Test; 5. Conclusion; References; 9. Nonparametric Models for Non-Gaussian Longitudinal Data N. Zhang, HG. M Iler and JL. Wang; 1. Introduction</li> <li>Functional Principal Component Analysis via Quasilikelihood Maximization (FPCA-Q)</li> </ol>
Sommario/riassunto	This volume consists of 22 research papers by leading researchers in Probability and Statistics. Many of the papers are focused on themes that Professor Bhattacharya has published on research. Topics of special interest include nonparametric inference, nonparametric curve fitting, linear model theory, Bayesian nonparametrics, change point problems, time series analysis and asymptotic theory. This volume presents state-of-the-art research in statistical theory, with an emphasis on nonparametric inference, linear model theory, time series analysis and asymptotic theory. It will serve as a valuab