

1. Record Nr.	UNINA9910300147103321
Titolo	New Advances in Statistical Modeling and Applications // edited by António Pacheco, Rui Santos, Maria do Rosário Oliveira, Carlos Daniel Paulino
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-05323-X
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (283 p.)
Collana	Selected Papers of the Statistical Societies
Disciplina	519.5
Soggetti	Statistics Probabilities Statistical Theory and Methods Probability Theory and Stochastic Processes
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 and index.
Nota di contenuto	Part I Statistical Science: The Non-Mathematical Side of Statistics (João A. Branco).- Outliers: The Strength of Minors (Fernando Rosado). - Resampling Methodologies in the Field of Statistics of Univariate Extremes (M. Ivette Gomes) -- Robust Functional Principal Component Analysis (Juan Lucas Bali and Graciela Boente) -- Testing the Maximum by the Mean in Quantitative Group (João Paulo Martins, Rui Santos and Ricardo Sousa) -- Testing Serial Correlation Using the Gauss-Newton Regression (Efigénio Rebelo, Patrícia Oom do Valle and Rui Nunes) -- Part II Probability and Stochastic Processes: Cantor Sets with Random Repair (M. Fátima Brilhante, Dinis Pestana and M. Luísa Rocha) -- Nearest Neighbor Connectivity in Two-Dimensional Multihop MANETs (Gonçalo Jacinto, Nelson Antunes and António Pacheco) -- Modeling Human Population Death Rates: A Bi-dimensional Stochastic Gompertz Model with Correlated Wiener Processes (Sandra Lagarto and Carlos A. Braumann) -- Consequences of an Incorrect Model Specification on Population Growth (Clara Carlos and Carlos A. Braumann) -- Individual Growth in a Random Environment: an Optimization Problem (Patrícia A. Filipe, Carlos A. Braumann, Clara Carlos and Carlos J. Roquete) -- Valuation of Bond Options under the

CIR Model: Some Computational Remarks (Manuela Larginho, José Carlos Dias, and Carlos A. Braumann) -- Part III Extremes: A Semi-Parametric Estimator of a Shape Second Order Parameter (Frederico Caeiro and M. Ivette Gomes) -- Peaks over Random Threshold Asymptotically Best Linear Estimation of the Extreme Value Index (L. Henriques-Rodrigues and M. Ivette Gomes) -- Extremal Quantiles, Value-at-Risk, quasi-PORT and DPOT (P. Araújo Santos and M.I. Fraga Alves) -- The MOP EVI-Estimator Revisited (M. Fátima Brilhante, M. Ivette Gomes and Dinis Pestana) -- Tail Dependence of a Pareto Process (Marta Ferreira) -- Application of the Theory of Extremes to the Study of Precipitation in Madeira Island: Statistical Choice of Extreme Domains of Attraction (Délia Gouveia, Luiz Guerreiro Lopes and Sandra Mendonça) -- The Traveling Salesman Problem and the Gnedenko Theorem (Tiago Salvador and Manuel Cabral Morais) -- Part IV Statistical Applications: Brugada Syndrome Diagnosis – Three Approaches to Combining Diagnostic Markers (Carla Henriques, Ana Cristina Matos, and Luís Ferreira dos Santos) -- Hierarchical Normal Mixture Model to Analyse HIV/AIDS LOS (Sara Simões Dias, Valeska Andreozzi and Maria Oliveira Martins) -- Volatility and Returns of the Main Stock Indices (Thelma Sáfadi and Airline P. Alencar) -- Fires in Portugal (Isabel Natário, M. Manuela Oliveira and Susete Marques) -- Forecast Intervals with Boot. EXPOS (Clara Cordeiro and M. Manuela Neves) -- Table-graph: a New Approach to Visualize Multivariate Data. Analysis of Chronic Diseases in Portugal (Alexandra Pinto) -- Application of Item Response Theory to Mathematics High School Exams in Portugal (Gonçalo Jacinto, Paulo Infante and Claudia Pereira) -- Evora Residents and Sports Activity (Luísa Carvalho, Paulo Infante and Anabela Afonso).

Sommario/riassunto

This volume presents selected papers from the XIXth Congress of the Portuguese Statistical Society, held in the town of Nazaré, Portugal, from September 28 to October 1, 2011. All contributions were selected after a thorough peer-review process. It covers a broad range of papers in the areas of statistical science, probability and stochastic processes, extremes and statistical applications.
