

1. Record Nr.	UNINA9910825196303321
Autore	Hopfner R (Reinhard), <1955->
Titolo	Asymptotic statistics : with a view to stochastic processes // Reinhard Hopfner
Pubbl/distr/stampa	Berlin : , : Walter de Gruyter GmbH & Co. KG, , [2014] ©2014
ISBN	3-11-036778-5 3-11-025028-4
Descrizione fisica	1 online resource (286 p.)
Collana	De Gruyter Textbook De Gruyter textbook
Classificazione	SK 820
Disciplina	519.6/23
Soggetti	Mathematical statistics - Asymptotic theory Asymptotic distribution (Probability theory)
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	Frontmatter -- Preface -- Contents -- Chapter 1 Score and Information -- Chapter 2 Minimum Distance Estimators -- Chapter 3 Contiguity -- Chapter 4 L2-differentiable Statistical Models -- Chapter 5 Gaussian Shift Models -- Chapter 6 Quadratic Experiments and Mixed Normal Experiments -- Chapter 7 Local Asymptotics of Type LAN, LAMN, LAQ -- Chapter 8 Some Stochastic Process Examples for Local Asymptotics of Type LAN, LAMN and LAQ -- Chapter 9 Appendix -- Bibliography -- Index
Sommario/riassunto	This textbook is devoted to the general asymptotic theory of statistical experiments. Local asymptotics for statistical models in the sense of local asymptotic (mixed) normality or local asymptotic quadraticity make up the core of the book. Numerous examples deal with classical independent and identically distributed models and with stochastic processes. The book can be read in different ways, according to possibly different mathematical preferences of the reader. One reader may focus on the statistical theory, and thus on the chapters about Gaussian shift models, mixed normal and quadratic models, and on local asymptotics where the limit model is a Gaussian shift or a mixed normal or a quadratic experiment (LAN, LAMN, LAQ). Another reader

may prefer an introduction to stochastic process models where given statistical results apply, and thus concentrate on subsections or chapters on likelihood ratio processes and some diffusion type models where LAN, LAMN or LAQ occurs. Finally, readers might put together both aspects. The book is suitable for graduate students starting to work in statistics of stochastic processes, as well as for researchers interested in a precise introduction to this area.

2. Record Nr.	UNINA9910483713003321
Autore	Satyanarayana Ch
Titolo	Computational Intelligence and Big Data Analytics : Applications in Bioinformatics // by Ch. Satyanarayana, Kunjam Nageswara Rao, Richard G. Bush
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-0544-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (139 pages)
Collana	SpringerBriefs in Forensic and Medical Bioinformatics, , 2196-8845
Disciplina	006.3019
Soggetti	Computational intelligence Big data Bioinformatics Neural networks (Computer science) Biomedical engineering Application software Computational Intelligence Big Data Mathematical Models of Cognitive Processes and Neural Networks Biomedical Engineering/Biotechnology Information Systems Applications (incl. Internet)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Nanoinformatics: Predicting toxicity using Computational Modelling -- Stock market Prediction Based on Machine Learning Approaches --

Performance Analysis of Denoising of ECG Signals in Time and Frequency domain -- Design and Implementation of Modified Sparse K-means Clustering Method for Gene Selection -- Identifying driver potential in passenger genes using chemical properties of mutated and surrounding amino acids -- Diagnosis of Chest Diseases Using Artificial Neural networks -- Development of Microminiaturized Intramuscular EMG Writer`s Cramp Signals Micro Electrode Recording System -- FGANN: A Hybrid Approach for Medical Diagnosing -- Data Mining Efficiency and Scalability for Smarter Internet of Things -- Multiple DG Placement and Sizing in Radial Distribution System using Genetic Algorithm and Particle Swarm Optimization -- Neighborhood Algorithm For Product Recommendation -- A Quantitative Analysis of Histogram Equalization based methods on Fundus Images for Diabetic Retinopathy Detection -- A novel level based DNA security algorithm using DNA codons -- A Computational approach to Predict Diabetic Retinopathy through Data Analytics.

Sommario/riassunto

This book highlights major issues related to big data analysis using computational intelligence techniques, mostly interdisciplinary in nature. It comprises chapters on computational intelligence technologies, such as neural networks and learning algorithms, evolutionary computation, fuzzy systems and other emerging techniques in data science and big data, ranging from methodologies, theory and algorithms for handling big data, to their applications in bioinformatics and related disciplines. The book describes the latest solutions, scientific results and methods in solving intriguing problems in the fields of big data analytics, intelligent agents and computational intelligence. It reflects the state of the art research in the field and novel applications of new processing techniques in computer science. This book is useful to both doctoral students and researchers from computer science and engineering fields and bioinformatics related domains.
