

1. Record Nr.	UNISA990000737770203316
Titolo	Inverse problems in wave propagation / Guy Chavent... et al. editors
Pubbl/distr/stampa	New York : Springer, c1997
ISBN	0-387-94976-3
Descrizione fisica	XI, 499 p ; 24 cm
Collana	The IMA volumes in mathematics and its applications ; 90
Disciplina	531.11
Soggetti	Onde <fisica> -- Propagazione Problemi inversi Diffusione <matematica>
Collocazione	531.11 INV
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA990004132640403321
Autore	Morin, Edgar
Titolo	Autocritique / Edgar Morin
Pubbl/distr/stampa	Paris : Éditions du Seuil, c1970
Descrizione fisica	256 p. ; 18 cm
Collana	Politique ; 70
Localione	FLFBC
Collocazione	P.1 P 5
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
3. Record Nr.	UNINA9910437909203321
Titolo	Towards advanced data analysis by combining soft computing and statistics // Christian Borgelt ...[et al.] (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2013
ISBN	9783642302787 3642302785
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (X, 378 p.)
Collana	Studies in fuzziness and soft computing, , 1434-9922 ; ; 285
Altri autori (Persone)	BorgeltChristian
Disciplina	006.3
Soggetti	Mathematical statistics - Data processing Soft computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	From the Contents: Arithmetic and Distance-Based Approach to the Statistical Analysis of Imprecisely Valued Data -- Linear Regression Analysis for Interval-valued Data Based on Set Arithmetic: A Bootstrap Confidence Intervals for the Parameters of a Linear Regression Model

with Fuzzy Random Variables -- On the Estimation of the Regression Model M for Interval Data -- Hybrid Least-Squares Regression Modelling Using Confidence -- Testing the Variability of Interval Data: An Application to Tidal Fluctuation.-Comparing the Medians of a Random Interval Defined by Means of Two Different L1 Metrics.- Comparing the Representativeness of the 1-norm Median for Likert and Free-response Fuzzy Scales.-Fuzzy Probability Distributions in Reliability Analysis, Fuzzy HPD-regions, and Fuzzy Predictive Distributions.

Sommario/riassunto

Soft computing, as an engineering science, and statistics, as a classical branch of mathematics, emphasize different aspects of data analysis. Soft computing focuses on obtaining working solutions quickly, accepting approximations and unconventional approaches. Its strength lies in its flexibility to create models that suit the needs arising in applications. In addition, it emphasizes the need for intuitive and interpretable models, which are tolerant to imprecision and uncertainty. Statistics is more rigorous and focuses on establishing objective conclusions based on experimental data by analyzing the possible situations and their (relative) likelihood. It emphasizes the need for mathematical methods and tools to assess solutions and guarantee performance. Combining the two fields enhances the robustness and generalizability of data analysis methods, while preserving the flexibility to solve real-world problems efficiently and intuitively.
