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Descrizione fisica	1 online resource (218 p.)
Collana	Wiley series in probability and statistics
Altri autori (Persone)	JohnsonWesley O
Disciplina	519.5/4 519.54
Soggetti	Probabilities Mathematical statistics Distribution (Probability theory)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	4.2 Remarks on Size 4.3 Uniformly Most Powerful Tests; 4.4 Neyman-Pearson Fundamental Lemma; 4.5 Monotone Likelihood Ratio Property; 4.6 Decision Theory; 4.7 Two-Sided Tests; References; 5. Unbiased and Invariant Tests; 5.1 Unbiased Tests; 5.2 Admissibility and Tests Similar on the Boundary; 5.3 Neyman Structure and Completeness; 5.4 Invariant Tests; 5.5 Locally Best Tests; 5.6 Test Construction; 5.7 Remarks on N-P Theory; 5.8 Further Remarks on N-P Theory; 5.9 Law of the Iterated Logarithm (LIL); 5.10 Sequential Analysis; 5.11 Sequential Probability Ratio Test (SPRT); References 6. Elements of Bayesianism 6.1 Bayesian Testing; 6.2 Testing a Composite vs. a Composite; 6.3 Some Remarks on Priors for the Binomial; 6.4 Coherence; 6.5 Model Selection; References; 7. Theories of Estimation; 7.1 Elements of Point Estimation; 7.2 Point Estimation; 7.3 Estimation Error Bounds; 7.4 Efficiency and Fisher Information; 7.5 Interpretations of Fisher Information; 7.6 The Information Matrix; 7.7 Sufficiency; 7.8 The Blackwell-Rao Result; 7.9 Bayesian Sufficiency;

7.10 Maximum Likelihood Estimation; 7.11 Consistency of the MLE;
7.12 Asymptotic Normality and "Efficiency" of the MLE
7.13 Sufficiency PrinciplesReferences; 8. Set and Interval Estimation;
8.1 Confidence Intervals (Sets); 8.2 Criteria for Confidence Intervals; 8.3
Conditioning; 8.4 Bayesian Intervals (Sets); 8.5 Highest Probability
Density (HPD) Intervals; 8.6 Fiducial Inference; 8.7 Relation Between
Fiducial and Bayesian Distributions; 8.8 Several Parameters; 8.9 The
Fisher-Behrens Problem; 8.10 Confidence Solutions; 8.11 The Fieller-
Creasy Problem; References; References; Index

Sommario/riassunto

A fascinating investigation into the foundations of statistical inferenceThis publication examines the distinct philosophical foundations of different statistical modes of parametric inference. Unlike many other texts that focus on methodology and applications, this book focuses on a rather unique combination of theoretical and foundational aspects that underlie the field of statistical inference. Readers gain a deeper understanding of the evolution and underlying logic of each mode as well as each mode's strengths and weaknesses. The book begins with fascinating highlights from

2. Record Nr.

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Titolo

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Collana

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Classificazione

54.69

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025.04

Soggetti

Natural language processing (Computer science)
Computational linguistics
Information storage and retrieval systems
Application software
Data mining
Artificial intelligence
Natural Language Processing (NLP)
Computational Linguistics

Information Storage and Retrieval
Computer and Information Systems Applications
Data Mining and Knowledge Discovery
Artificial Intelligence

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Nota di bibliografia

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Nota di contenuto

I: Multilingual Textual Document Retrieval (Ad Hoc) -- II: Domain-Specific Information Retrieval (Domain-Specific) -- III: Multiple Language Question Answering (QA@CLEF) -- IV: Cross-Language Retrieval in Image Collections (ImageCLEF) -- V: Cross-Language Speech Retrieval (CL-SR) -- VI: Multilingual Web Retrieval (WebCLEF) -- VII: Cross-Language Geographical Retrieval (GeoCLEF) -- VIII: CLEF in Other Evaluations.

Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the 8th Workshop of the Cross-Language Evaluation Forum, CLEF 2007, held in Budapest, Hungary, September 2007. The revised and extended papers were carefully reviewed and selected for inclusion in the book. There are 115 contributions in total and an introduction. The seven distinct evaluation tracks in CLEF 2007, are designed to test the performance of a wide range of multilingual information access systems or system components. The papers are organized in topical sections on Multilingual Textual Document Retrieval (Ad Hoc), Domain-Specific Information Retrieval (Domain-Specific), Multiple Language Question Answering (QA@CLEF), cross-language retrieval in image collections (Image CLEF), cross-language speech retrieval (CL-SR), multilingual Web retrieval (WebCLEF), cross-language geographical retrieval (GeoCLEF), and CLEF in other evaluations.