1.

Record Nr.	UNINA9910830145403321
Autore	Barnett Vic
Titolo	Comparative statistical inference [[electronic resource] /] / Vic Barnett
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, c1999
ISBN	1-282-30731-2
	9786612307317
	0-470-31779-5
	0-470-85982-2
	0-470-31695-0
	0-585-31386-5
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (403 p.)
Collana	Wiley series in probability and mathematical statistics
Disciplina	519.5
	519.54
Soggetti	Mathematical statistics
	Statistical decision
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 (p. [337]-364) and index.
Nota di contenuto	Comparative Statistical Inference; Contents; Preface; Preface to Second Edition; Preface to Third Edition; Acknowledgements; Chapter 1. Introduction: Statistical Inference and Decision-making; 1.1 What is Statistics?; 1.2 Probability Models; 1.3 Relevant Information; 1.4 Statistical Inference and Decision-making; 1.5 Different Approaches; 1.6 Arbitrariness and Controversy; 1.7 Historical Comment and Further References; Chapter 2. An Illustration of the Different Approaches; 2.1 A Practical Example; 2.2 Sample Data as the Sole Source of Information: the Classical Approach; 2.2.1 Batch Quality
	2.2.2 Component Lifetimes2.3 Relevant Prior Information: the Bayesian Approach; 2.3.1 Prior Information on Batch Quality; 2.3.2 Prior Attitudes about Component Lifetimes; 2.4 Costs and Consequences: Simple Decision Theory Ideas; 2.5 Comment and Comparisons; Chapter 3. Probability; 3.1 Types of Probability; 3.2 'Classical' Probability; 3.3 The Frequency View; 3.4 Logical Probability; 3.5 Subjective Probability; 3.6 Other Viewpoints; 3.6.1 Chaos; 3.6.2 Fuzzy Set Theory; 3.6.3 Risk, Uncertainty and Sensitivity Analysis; 3.7 Some Historical Background;

Sommario/riassunto	This fully updated and revised third edition, presents a wide ranging, balanced account of the fundamental issues across the full spectrum of inference and decision-making. Much has happened in this field since the second edition was published: for example, Bayesian inferential procedures have not only gained acceptance but are often the preferred methodology. This book will be welcomed by both the student and practising statistician wishing to study at a fairly elementary level, the basic conceptual and interpretative distinctions between the different approaches, how they interrelate, what a