1.	Record Nr.	UNINA9910139576103321
	Autore	Staudte Robert G
	Titolo	Robust estimation and testing [[electronic resource] /] / Robert G. Staudte, Simon J. Sheather
	Pubbl/distr/stampa	New York, : Wiley, c1990
	ISBN	1-283-27998-3
		9786613279989
		1-118-16548-9
		1-118-16549-7
	Descrizione fisica	1 online resource (382 p.)
	Collana	Wiley series in probability and mathematical statistics. Applied probability and statistics
	Altri autori (Persone)	SheatherSimon J
	Disciplina	519.5
		519.5/44
		519.544
	Soggetti	Estimation theory
		Robust statistics
		Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"A Wiley-Interscience publication."
	Nota di bibliografia	Includes bibliographical references and indexes.
	Nota di contenuto	Robust Estimation and Testing; Contents; 1. The Field of Statistics; 1.1 The Role of Statistics in Scientific Inference; 1.1.1 The Scientific Method; 1.1.2 Statistical Support for the Scientific Method; 1.1.3 The Significance of a Result; 1.1.4 The Challenge to Statisticians; 1.2 Recent Trends in Statistics; 1.2.1 Mathematical Statistics; 1.2.2 The Impact of Computers; 1.2.3 Robust Statistics; 1.3 The Case for Descriptive Measures; 1.3.1 Nonparametric Neighborhoods of Parametric Models; 1.3.2 Descriptive Measures; 1.4 The Domain and Range of This Book; 1.5 Problems; 1.6 Complements
		1.6.1 Other Approaches to Robust Statistics1.6.2 Significance of an Experimental Result; 2. Estimating Scale-Finite Sample Results; 2.1 Examples; 2.2 Scale Parameter Families; 2.2.1 Definitions and Properties; 2.2.2 Examples of Continuous Scale Parameter Families; 2.3 Finite Sample Properties of Estimators; 2.3.1 Unbiasedness, Scale Equivariance, and Mean Squared Error; 2.3.2 Estimators of an

Sommario/riassunto	An introduction to the theory and methods of robust statistics, providing students with practical methods for carrying out robust procedures in a variety of statistical contexts and explaining the advantages of these procedures. In addition, the text develops techniques and concepts likely to be useful in the future analysis of new statistical models and procedures. Emphasizing the concepts of breakdown point and influence functon of an estimator, it demonstrates the technique of expressing an estimator as a descriptive measure from which its influence function can be derived and then used to