1.	Record Nr.	UNINA9910437867803321
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	Titolo	An Introduction to Order Statistics / / by Mohammad Ahsanullah, Valery B Nevzorov, Mohammad Shakil
	Pubbl/distr/stampa	Paris : , : Atlantis Press : , : Imprint : Atlantis Press, , 2013
	ISBN	94-91216-83-X
	Edizione	[1st ed. 2013.]
	Descrizione fisica	1 online resource (244 p.)
	Collana	Atlantis Studies in Probability and Statistics, , 1879-6907
	Disciplina	519.5
	Soggetti	Statistics Econometrics Biometry Statistical Theory and Methods Statistics in Business, Management, Economics, Finance, Insurance Statistics in Engineering, Physics, Computer Science, Chemistry and Earth Sciences Biostatistics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	Basic definitions -- Distributions of order statistics -- Sample quantiles and ranges -- Representations for order statistics -- Conditional distributions of order statistics.-Order statistics for discrete distributions -- Moments of order statistics: general relations -- Moments of uniform and exponential order statistics -- Moment relations for order statistics: normal distribution -- Asymptotic behavior of the middle and intermediate order statistics -- Asymptotic behavior of the extreme order statistics -- Some properties of estimators based on order statistics -- Minimum variance linear unbiased estimators -- Minimum variance linear unbiased estimators and predictors based on censored samples -- Estimation of parameters based on fixed number of sample quantiles -- Order statistics from extended samples -- Order statistics and record values -- Characterizations of distributions based on properties of order statistics -- Order statistics and record values based on F distributions -- Generalized order statistics -- Compliments and

problems.

Sommario/riassunto	This book presents the theory of order statistics in a way, such that beginners can get easily acquainted with the very basis of the theory without having to work through heavily involved techniques. At the same time more experienced readers can check their level of understanding and polish their knowledge with certain details. This is achieved by, on the one hand, stating the basic formulae and providing many useful examples to illustrate the theoretical statements, while on the other hand an upgraded list of references will make it easier to gain insight into more specialized results. Thus this book is suitable for a readership working in statistics, actuarial mathematics, reliability engineering, meteorology, hydrology, business economics, sports analysis and many more.