1. Record Nr. UNINA9910350241603321

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Titolo	Reliability and Survival Analysis / / by Md. Rezaul Karim, M. Ataharul Islam
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-9776-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xvii, 252 pages) : illustrations
Disciplina	536.7
Soggetti	Statistics Social medicine Statistics for Life Sciences, Medicine, Health Sciences Statistics for Business, Management, Economics, Finance, Insurance Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences Medical Sociology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Reliability and Survival Analysis: Concepts and Definitions -- Chapter 2: Mean Lifetime and Residual Lifetime -- Chapter 3: Probability Distributions of Lifetimes (Uncensored) -- Chapter 4: Censoring Mechanisms -- Chapter 5: Probability Distributions of Lifetimes under Censoring Schemes -- Chapter 6: Nonparametric Methods -- Chapter 7: Parametric Methods -- Chapter 8: Regression Models -- Chapter 9: Generalized Linear Models for Failure Times -- Chapter 10: Components and Systems -- Chapter 11: Reliability Functions and Ageing Properties -- Chapter 12: Models for Production System -- Chapter 13: Stochastic Models -- Chapter 14: Further Topics -- References -- Appendix - A: Statistical Tables -- Appendix - B: Data Sets -- Appendix - C: R-Packages and Programming Codes -- Index.
Sommario/riassunto	This book presents and standardizes statistical models and methods that can be directly applied to both reliability and survival analysis. These two types of analysis are widely used in many fields, including engineering, management, medicine, actuarial science, the environmental sciences, and the life sciences. Though there are a

number of books on reliability analysis and a handful on survival analysis, there are virtually no books on both topics and their overlapping concepts. Offering an essential textbook, this book will benefit students, researchers, and practitioners in reliability and survival analysis, reliability engineering, biostatistics, and the biomedical sciences. .