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Edizione	[Second edition.]
Descrizione fisica	1 online resource (464 pages) : illustrations
Collana	Wiley series in probability and statistics
Disciplina	519.287 519.5
Soggetti	Failure time data analysis Survival analysis (Biometry) Regression analysis Electronic books.
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 (pages 404-427) and indexes
Nota di contenuto	The Statistical Analysis of Failure Time Data; Contents; Preface; 1. Introduction; 1.1 Failure Time Data; 1.2 Failure Time Distributions; 1.3 Time Origins, Censoring, and Truncation; 1.4 Estimation of the Survivor Function; 1.5 Comparison of Survival Curves; 1.6 Generalizations to Accommodate Delayed Entry; 1.7 Counting Process Notation; Bibliographic Notes; Exercises and Complements; 2. Failure Time Models; 2.1 Introduction; 2.2 Some Continuous Parametric Failure Time Models; 2.3 Regression Models; 2.4 Discrete Failure Time Models; Bibliographic Notes; Exercises and Complements 3. Inference in Parametric Models and Related Topics 3.1 Introduction; 3.2 Censoring Mechanisms; 3.3 Censored Samples from an Exponential Distribution; 3.4 Large-Sample Likelihood Theory; 3.5 Exponential Regression; 3.6 Estimation in Log-Linear Regression Models; 3.7 Illustrations in More Complex Data Sets; 3.8 Discrimination Among Parametric Models; 3.9 Inference with Interval Censoring; 3.10 Discussion; Bibliographic Notes; Exercises and Complements; 4.

Relative Risk (Cox) Regression Models; 4.1 Introduction; 4.2 Estimation of ; 4.3 Estimation of the Baseline Hazard or Survivor Function; 4.4 Inclusion of Strata; 4.5 Illustrations; 4.6 Counting Process Formulas; 4.7 Related Topics on the Cox Model; 4.8 Sampling from Discrete Models; Bibliographic Notes; Exercises and Complements; 5. Counting Processes and Asymptotic Theory; 5.1 Introduction; 5.2 Counting Processes and Intensity Functions; 5.3 Martingales; 5.4 Vector-Valued Martingales; 5.5 Martingale Central Limit Theorem; 5.6 Asymptotics Associated with Chapter 1; 5.7 Asymptotic Results for the Cox Model; 5.8 Asymptotic Results for Parametric Models; 5.9 Efficiency of the Cox Model Estimator; 5.10 Partial Likelihood Filtration; Bibliographic Notes; Exercises and Complements; 6. Likelihood Construction and Further Results; 6.1 Introduction; 6.2 Likelihood Construction in Parametric Models; 6.3 Time-Dependent Covariates and Further Remarks on Likelihood Construction; 6.4 Time Dependence in the Relative Risk Model; 6.5 Nonnested Conditioning Events; 6.6 Residuals and Model Checking for the Cox Model; Bibliographic Notes; Exercises and Complements; 7. Rank Regression and the Accelerated Failure Time Model; 7.1 Introduction; 7.2 Linear Rank Tests; 7.3 Development and Properties of Linear Rank Tests; 7.4 Estimation in the Accelerated Failure Time Model; 7.5 Some Related Regression Models; Bibliographic Notes; Exercises and Complements; 8. Competing Risks and Multistate Models; 8.1 Introduction; 8.2 Competing Risks; 8.3 Life-History Processes; Bibliographic Notes; Exercises and Complements; 9. Modeling and Analysis of Recurrent Event Data; 9.1 Introduction; 9.2 Intensity Processes for Recurrent Events; 9.3 Overall Intensity Process Modeling and Estimation; 9.4 Mean Process Modeling and Estimation; 9.5 Conditioning on Aspects of the Counting Process History; Bibliographic Notes; Exercises and Complements

Sommario/riassunto

Contains additional discussion and examples on left truncation as well as material on more general censoring and truncation patterns. Introduces the martingale and counting process formulation which will be in a new chapter. Develops multivariate failure time data in a separate chapter and extends the material on Markov and semi Markov formulations. Presents new examples and applications of data analysis