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| Autore                  | Kalbfleisch J. D   |
| Titolo                  | The statistical analysis of failure time data // John D. Kalbfleisch, Ross L. Prentice   |
| Pubbl/distr/stampa      | Hoboken, N.J., : J. Wiley, c2002   |
| ISBN                    | 9786613813817<br>9781282242692<br>1282242695<br>9781118032985<br>1118032985<br>9781118031230<br>1118031237   |
| Edizione                | [2nd ed.]  |
| Descrizione fisica      | 1 online resource (464 pages) : illustrations  |
| Collana                 | Wiley series in probability and statistics   |
| Altri autori (Persone)  | PrenticeRoss L   |
| Disciplina              | 519.5  |
| Soggetti                | Failure time data analysis<br>Survival analysis (Biometry)<br>Regression analysis  |
| 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. 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<br>3. Inference in Parametric Models and Related Topics<br>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 swil lbe 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