1.	Record Nr.	UNINA9910143558203321
	Autore	Pintilie Melania
	Titolo	Competing risks [[electronic resource]] : a practical perspective / / Melania Pintilie
	Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley & Sons, c2006
	ISBN	1-280-72222-3
		1-282-12386-6
		9786612123863
		9786610722228
		0-470-87070-2
		0-470-87069-9
	Descrizione fisica	1 online resource (242 p.)
	Collana	Statistics in practice
	Disciplina	519.2
	Soggetti	Competing risks
		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 (p. 209-213) and index.
	Nota di contenuto	Competing Risks; Contents; Preface; Acknowledgements; 1 Introduction; 1.1 Historical notes; 1.2 Defining competing risks; 1.3 Use of the Kaplan-Meier method in the presence of competing risks; 1.4 Testing in the competing risk framework; 1.5 Sample size calculation; 1.6 Examples; 1.6.1 Tamoxifen trial; 1.6.2 Hypoxia study; 1.6.3 Follicular cell lymphoma study; 1.6.4 Bone marrow transplant study; 1.6.5 Hodgkin's disease study; 2 Survival - basic concepts; 2.1 Introduction; 2.2 Definitions and background formulae; 2.2.1 Introduction; 2.2.2 Basic mathematical formulae
		2.2.3 Common parametric distributions2.2.4 Censoring and assumptions; 2.3 Estimation and hypothesis testing; 2.3.1 Estimating the hazard and survivor functions; 2.3.2 Nonparametric testing: log-rank and Wilcoxon tests; 2.3.3 Proportional hazards model; 2.4 Software for survival analysis; 2.5 Closing remarks; 3 Competing risks - definitions; 3.1 Recognizing competing risks; 3.1.1 Practical approaches; 3.1.2 Common endpoints in medical research; 3.2 Two mathematical definitions; 3.2.1 Competing risks as bivariate random

Sommario/riassunto	The need to understand, interpret and analyse competing risk data is key to many areas of science, particularly medical research. There is a real need for a book that presents an overview of methodology used in the interpretation and analysis of competing risks, with a focus on practical applications to medical problems, and incorporating modern techniques. This book fills that need by presenting the most up-to-date methodology, in a way that can be readily understood, and applied, by the practitioner.

2.	Record Nr.	UNINA9910370253303321
	Autore	Bhunia Asoke Kumar
	Titolo	Advanced Optimization and Operations Research / / by Asoke Kumar Bhunia, Laxminarayan Sahoo, Ali Akbar Shaikh
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
	ISBN	981-329-967-3
	Edizione	[1st ed. 2019.]
	Descrizione fisica	1 online resource (XVI, 621 p. 88 illus.)
	Collana	Springer Optimization and Its Applications, , 1931-6836 ; ; 153
	Disciplina	658.4034
	Soggetti	Operations research Management science Mathematical optimization Calculus of variations Operations Research, Management Science Calculus of Variations and Optimization Continuous Optimization Discrete Optimization Operations Research and Decision Theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	1. Mathematical Preliminaries -- 2. Introduction of OR -- 3. Revised Simplex Method -- 4. Dual Simplex Method -- 5. Bounded Variable Technique -- 6. Post-Optimality Analysis in Linear Programming Problem -- 7. Integer Programming -- 8. Convex Function -- 9. Basics of Unconstrained Optimization. 10. Constrained Optimization with Equality Constraints -- 11. Constrained Optimization with Inequality Constraints -- 12. Quadratic Programming -- 13. Inventory Control Theory -- 14. Project Management -- 15. Queueing Theory -- 16. Flow in Networks -- 17. Theory of Game.
	Sommario/riassunto	This textbook provides students with fundamentals and advanced concepts in optimization and operations research. It gives an overview of the historical perspective of operations research and explains its principal characteristics, tools, and applications. The wide range of topics covered includes convex and concave functions, simplex

methods, post optimality analysis of linear programming problems, constrained and unconstrained optimization, game theory, queueing theory, and related topics. The text also elaborates on project management, including the importance of critical path analysis, PERT and CPM techniques. This textbook is ideal for any discipline with one or more courses in optimization and operations research; it may also provide a solid reference for researchers and practitioners in operations research.