1. Record Nr.   UNINA9910707348703321

Autore	Freed Alan David
Titolo	Designing ROW methods / / Alan D. Freed
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Lewis Research Center, , September 1996
Descrizione fisica	1 online resource (10 pages) : illustrations
Collana	NASA technical memorandum ; ; 107313
Soggetti	Differential equations Boundary value problems Numerical integration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed July 20, 2016). "September 1996." "Performing organization: National Aeronautics and Space Administration, Lewis Research Center"--Report documentation page.
Nota di bibliografia	Includes bibliographical references (page 10).

2.	Record Nr.	UNINA9910746282903321
	Autore	Sorensen Daniel
	Titolo	Statistical Learning in Genetics : An Introduction Using R / / by Daniel Sorensen
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
	ISBN	9783031358517
		3031358511
	Edizione	[1st ed. 2023.]
	Descrizione fisica	1 online resource (696 pages)
	Collana	Statistics for Biology and Health, , 2197-5671
	Disciplina	576.5015195
	Soggetti	Statistics
		Quantitative research
		Biometry
		Genetics
		Statistical Theory and Methods
		Data Analysis and Big Data
		Biostatistics
		Genètica
		Estadística matemàtica
		R (Llenguatge de programació)
		Llibres electrònics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	This book provides an introduction to computer-based methods for the analysis of genomic data. Breakthroughs in molecular and computational biology have contributed to the emergence of vast data sets, where millions of genetic markers for each individual are coupled with medical records, generating an unparalleled resource for linking human genetic variation to human biology and disease. Similar developments have taken place in animal and plant breeding, where genetic marker information is combined with production traits. An important task for the statistical geneticist is to adapt, construct and

implement models that can extract information from these large-scale data. An initial step is to understand the methodology that underlies the probability models and to learn the modern computer-intensive methods required for fitting these models. The objective of this book, suitable for readers who wish to develop analytic skills to perform genomic research, is to provide guidance to take this first step. This book is addressed to numerate biologists who typically lack the formal mathematical background of the professional statistician. For this reason, considerably more detail in explanations and derivations is offered. It is written in a concise style and examples are used profusely. A large proportion of the examples involve programming with the open-source package R. The R code needed to solve the exercises is provided. The MarkDown interface allows the students to implement the code on their own computer, contributing to a better understanding of the underlying theory. Part I presents methods of inference based on likelihood and Bayesian methods, including computational techniques for fitting likelihood and Bayesian models. Part II discusses prediction for continuous and binary data using both frequentist and Bayesian approaches. Some of the models used for prediction are also used for gene discovery. The challenge is to find promising genes without incurring a large proportion of false positive results. Therefore, Part II includes a detour on False Discovery Rate assuming frequentist and Bayesian perspectives. The last chapter of Part II provides an overview of a selected number of non-parametric methods. Part III consists of exercises and their solutions. Daniel Sorensen holds PhD and DSc degrees from the University of Edinburgh and is an elected Fellow of the American Statistical Association. He was professor of Statistical Genetics at Aarhus University where, at present, he is professor emeritus.

3.	Record Nr.	UNINA9910972488703321
	Titolo	Advanced therapy of prostate disease / / [edited by] Martin I. Resnick, Ian M. Thompson
	Pubbl/distr/stampa	Hamilton [Ont.], : B.C. Decker
		Lewiston, NY, : Sales and distribution United States, B.C. Decker, 2000
	ISBN	0-585-37523-2
	Descrizione fisica	1 online resource (684 p.)
	Altri autori (Persone)	ResnickMartin I
		ThompsonIan M <1954-> (Ian Murchie)
	Disciplina	616.6/5/06
	Soggetti	Prostate - Cancer
		Benign prostatic hyperplasia
	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 and index.
	Nota di contenuto	""Half Title Page""; ""Title Page""; ""Copyright page""; ""Contributors""; ""Preface""; ""Dedication""; ""Table of Contents""; ""Chapter 1: Epidemiology of Prostate Cancer: an Overview""; ""Chapter 2: Epidemiology of Prostate Cancer in African Americans""; ""Chapter 3: Epidemiology of Prostate Cancer in Africa""; ""Chapter 4: Prostate Cancer among the Chinese: Pathologic, Epidem""; ""Chapter 5: Epidemiology of Prostate Cancer in Jamaicans""; ""Chapter 6: Epidemiology of Prostate Cancer in Hispanic Americans""; ""Chapter 7: Assessment of Risk of Prostate Cancer: Algorithms for""
		""Chapter 8: Molecular Factors in the Assessment of Prostate Cancer""""""Chapter 9: Screening for Prostate Cancer: an Overview""; ""Chapter 10: The Optimal Diagnostic Tool: Assessment of Diagnostic""; ""Chapter 11: Screening for Prostate Cancer: the Case for Screening""; ""Chapter 12: Screening for Prostate Cancer: the Argument for Cauti""; ""Chapter 13: Natural History of Localized Adenocarcinoma of the Pr""; ""Chapter 14: Prostate Physiology and Regulation""; ""Chapter 15: Pathobiology of Prostate Diseases: an Update""; ""Chapter 16: Models of Prostate Cancer""
		""Chapter 17: Diagnosis of Prostate Cancer""""""Chapter 18: Staging of Prostate Cancer""; ""Chapter 19: Radical Prostatectomy: Patient Preparation""; ""Chapter 20: Stage T1a Prostate Cancer: the Case for

Sommario/riassunto	From the inital to post-surgical psychological concerns, this book is a complete guide to every step of prostate disease treatment. First, i t describes the physical exam in detail, as well as laboratory and ima ging techniques that can confirm a diagnosis. Then, the pros and cons of treatment methods for every type and variation of prostate cancer a nd benign conditions are discussed. Post-surgical treatment (including behavioral issues) is also outlines.