Genomic Clinical Trials and Predictive Medicine (Practical Guides to Biostatistics and Epidemiology)

Richard M. Simon
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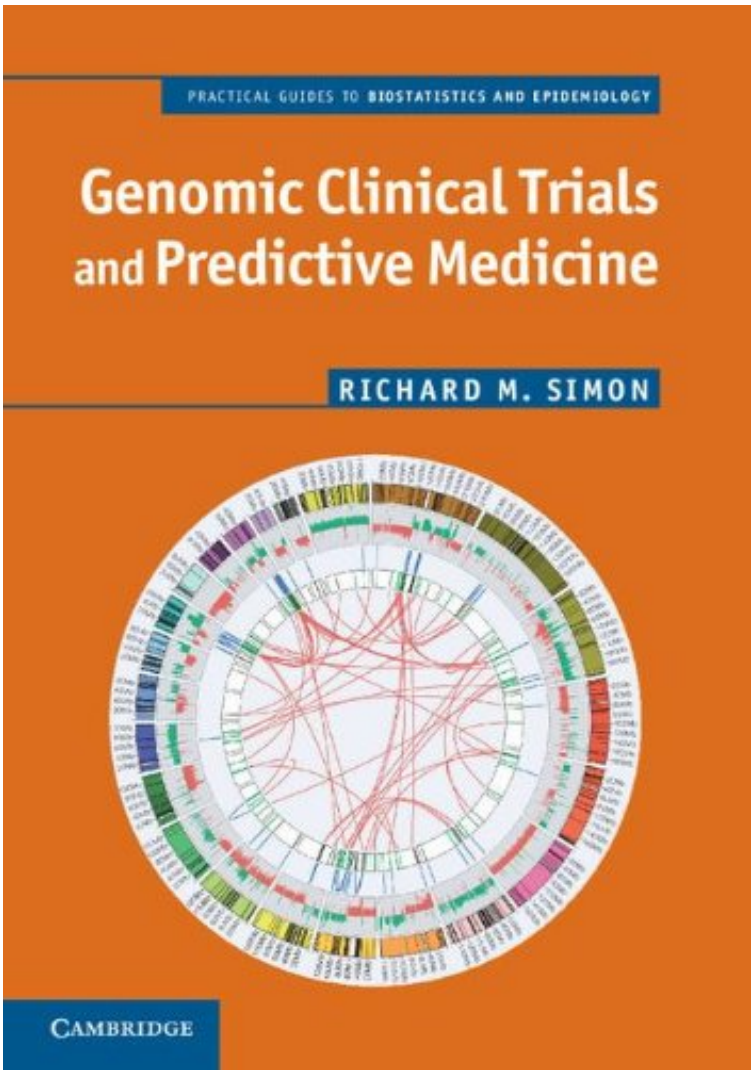

#2170310 in Books Cambridge University Press 2013-01-07Original language:EnglishPDF # 1 9.72 x .39 x 6.85l, .70 #File Name: 1107401356150 pages | File size: 51.Mb

Richard M. Simon : Genomic Clinical Trials and Predictive Medicine (Practical Guides to Biostatistics and Epidemiology) before purchasing it in order to gage whether or not it would be worth my time, and all praised Genomic Clinical Trials and Predictive Medicine (Practical Guides to Biostatistics and Epidemiology):

0 of 0 people found the following review helpful. Need a lot of research background to follow the bookBy W. YIPThis book is actually quite difficult to follow. It presents a lot of research results by the author but without adequate

explanation. I guess you probably need to dig up the original article to understand the rationale for some of the designs. The book assumes the readers to be quite familiar with adaptive designs and Bayesian approaches in clinical trials. With only 90 pages, there is not a lot of explanation about anything. Although some of the designs are very useful, the underlying motivations are not clearly stated. It is still a good book on the recent development of genomic clinical trails although it is not as readable as I would like it. So, just 3 stars.0 of 0 people found the following review helpful. Good for understanding contemporary statistical methods in modern trialsBy Duy Q. VuIt gives adequate information on the design of recent studies in cancer. The last chapter 8 helps you understand the method of validating recent tests used in Oncology such as Oncotype DX...

Genomics is majorly impacting therapeutics development in medicine. This book contains up-to-date information on the use of genomics in the design and analysis of therapeutic clinical trials with a focus on novel approaches that provide a reliable basis for identifying which patients are most likely to benefit from each treatment. It is oriented to both clinical investigators and statisticians. For clinical investigators, it includes background information on clinical trial design and statistical analysis. For statisticians and others who want to go deeper, it covers state-of-the-art adaptive designs and the development and validation of probabilistic classifiers. The author describes the development and validation of prognostic and predictive biomarkers and their integration into clinical trials that establish their clinical utility for informing treatment decisions for future patients.

"This book will be a valuable resource to those involved in genomic clinical trials. The author touches on many of the important issues in this field and provides a useful selection of approaches to handling them." Matthew Schipper, International Statistical About the AuthorDr Richard M. Simon is chief of the Biometric Research Branch of the National Cancer Institute, where he is chief statistician for the Division of Cancer Treatment and Diagnosis. He is the lead author of the textbook Design and Analysis of DNA Microarray Experiments and has more than 450 publications. Simon has been influential in promoting excellence in clinical trial design and analysis. He has served on the Oncologic Advisory Committee of the US Food and Drug Administration and is a frequent advisor to government, academic and industry organizations involved with developing improved treatments and diagnostics for patients with cancer. In 1998 Dr Simon established the Molecular Statistics and Bioinformatics Section of the National Cancer Institute, a multidisciplinary group of scientists developing and applying methods for the application of genomics to cancer therapeutics. He is the architect of BRB-ArrayTools software for the analysis of microarray expression and copy number data.