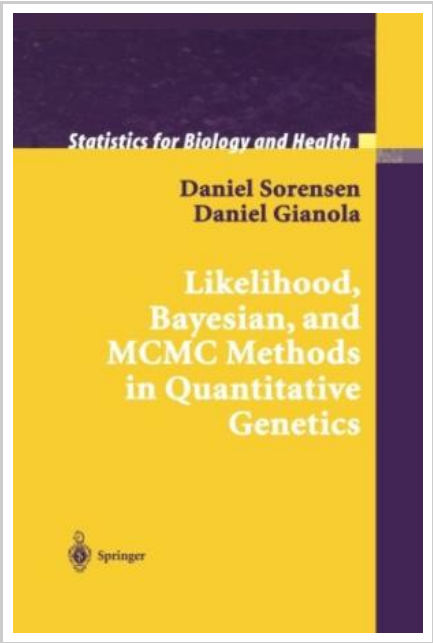


DOWNLOAD PDF

Likelihood, Bayesian, and MCMC Methods in Quantitative Genetics

By Sorensen, Daniel / Gianola, Daniel

Book Condition: New. Publisher/Verlag: Springer, Berlin | This book provides the foundations of likelihood, Bayesian and MCMC methods in the context of genetic analysis of quantitative traits. Effort has been made to relate biological to statistical parameters throughout, and extensive examples are included to illustrate the arguments. | Over the last ten years the introduction of computer intensive statistical methods has opened new horizons concerning the probability models that can be fitted to genetic data, the scale of the problems that can be tackled and the nature of the questions that can be posed. In particular, the application of Bayesian and likelihood methods to statistical genetics has been facilitated enormously by these methods. Techniques generally referred to as Markov chain Monte Carlo (MCMC) have played a major role in this process, stimulating synergies among scientists in different fields, such as mathematicians, probabilists, statisticians, computer scientists and statistical geneticists. Specifically, the MCMC "revolution" has made a deep impact in quantitative genetics. This can be seen, for example, in the vast number of papers dealing with complex hierarchical models and models for detection of genes affecting quantitative or meristic traits in plants, animals and humans that have been published recently. This book,...

READ ONLINE
[2.4 MB]

Reviews

A superior quality pdf along with the font used was intriguing to read through. It can be rally exciting throgh reading through time period. You may like how the blogger create this book.

-- ***Dr. Rylee Berge***

These kinds of pdf is the ideal ebook accessible. Of course, it is actually play, nevertheless an interesting and amazing literature. I realized this publication from my i and dad suggested this book to find out.

-- ***Ms. Ruth Wisozk***