



Computational Molecular Evolution (Paperback)

By Ziheng Yang

Oxford University Press, United Kingdom, 2006. Paperback. Condition: New. Language: English . Brand New Book. The field of molecular evolution has experienced explosive growth in recent years due to the rapid accumulation of genetic sequence data, continuous improvements to computer hardware and software, and the development of sophisticated analytical methods. The increasing availability of large genomic data sets requires powerful statistical methods to analyse and interpret them, generating both computational and conceptual challenges for the field. Computational Molecular Evolution provides an up-to-date and comprehensive coverage of modern statistical and computational methods used in molecular evolutionary analysis, such as maximum likelihood and Bayesian statistics. Yang describes the models, methods and algorithms that are most useful for analysing the ever-increasing supply of molecular sequence data, with a view to furthering our understanding of the evolution of genes and genomes. The book emphasizes essential concepts rather than mathematical proofs. It includes detailed derivations and implementation details, as well as numerous illustrations, worked examples, and exercises. It will be of relevance and use to students and professional researchers (both empiricists and theoreticians) in the fields of molecular phylogenetics, evolutionary biology, population genetics, mathematics, statistics and computer science. Biologists who have used phylogenetic software programs...



[DOWNLOAD PDF](#)



[READ ONLINE](#)

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.

-- **Felicia Nikolaus**

These sorts of ebook is the ideal book offered. It can be written in simple terms rather than confusing. I discovered this pdf from my dad and i advised this publication to understand.

-- **Mr. Alejandrin Murphy PhD**