



## Computational Molecular Evolution (Paperback)

By Ra Fisher Professor of Statistical Genetics Ziheng Yang

Oxford University Press, United Kingdom, 2006. Paperback. Book Condition: New. 231 x 155 mm. 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...

[DOWNLOAD](#)



 [READ ONLINE](#)

### Reviews

*Thorough guideline! Its this kind of excellent read. This is certainly for all those who statte there was not a well worth reading. Your way of life period will probably be transform once you complete reading this book.*

-- **Mrs. Alia Borer**

*Just no words to explain. Indeed, it is actually play, nevertheless an amazing and interesting literature. Its been written in an exceptionally simple way and is particularly simply following i finished reading through this ebook by which in fact altered me, alter the way in my opinion.*

-- **Leilani Rippin**