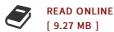




Mathematical Models in Biology: An Introduction (Hardback)

By Elizabeth S. Allman, John A. Rhodes

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2010. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. This introductory textbook on mathematical biology focuses on discrete models across a variety of biological subdisciplines. Biological topics treated include linear and non-linear models of populations, Markov models of molecular evolution, phylogenetic tree construction, genetics, and infectious disease models. The coverage of models of molecular evolution and phylogenetic tree construction from DNA sequence data is unique among books at this level. Computer investigations with MATLAB are incorporated throughout, in both exercises and more extensive projects, to give readers hands-on experience with the mathematical models developed. MATLAB programs accompany the text. Mathematical tools, such as matrix algebra, eigenvector analysis, and basic probability, are motivated by biological models and given self-contained developments, so that mathematical prerequisites are minimal.



Reviews

Complete guideline for publication fans. I am quite late in start reading this one, but better then never. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Llewellyn Terry

It in a single of my personal favorite publication. It usually fails to charge an excessive amount of. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Mr. David Friesen IV