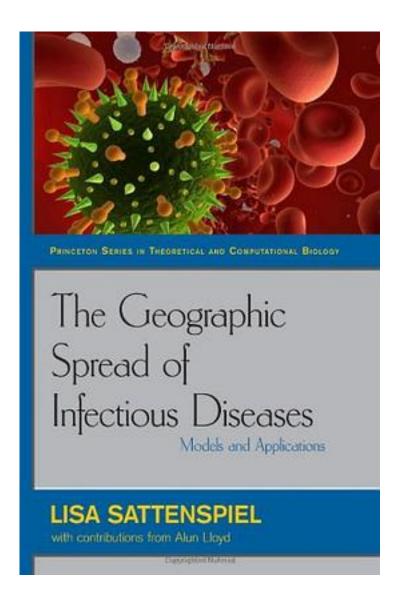
The Geographic Spread of Infectious Diseases



The Geographic Spread of Infectious Diseases_下载链接1_

著者:Sattenspiel, Lisa

出版者:

出版时间:2009-7

装帧:

isbn:9780691121321

The 1918-19 influenza epidemic killed more than fifty million people worldwide. The SARS epidemic of 2002-3, by comparison, killed fewer than a thousand. The success in containing the spread of SARS was due largely to the rapid global response of public health authorities, which was aided by insights resulting from mathematical models. Models enabled authorities to better understand how the disease spread and to assess the relative effectiveness of different control strategies. In this book, Lisa Sattenspiel and Alun Lloyd provide a comprehensive introduction to mathematical models in epidemiology and show how they can be used to predict and control the geographic spread of major infectious diseases. Key concepts in infectious disease modeling are explained, readers are guided from simple mathematical models to more complex ones, and the strengths and weaknesse's of these models are explored. The book highlights the breadth of techniques available to modelers today, such as population-based and individual-based models, and covers specific applications as we'll. Sattenspiel and Lloyd examine the powerful mathematical mode'ls that health authorities have developed to understand the spatial distribution and geographic spread of influenza, measles, foot-and-mouth disease, and SARS. Analytic methods geographers use to study human infectious diseases and the dynamics of epidemics nd practitioners, no other ng and fast-evolving field.

ăre ălso discussed. A must-read for students, researchers, ar book provides such an accessible introduction to this exciti
作者介绍:
目录:
The Geographic Spread of Infectious Diseases_下载链接1_
标签
生物
数学
评论
The Geographic Spread of Infectious Diseases 下载链接1

١.	、、		
	_	i١	/
Γ.	J	レ	Г

------The Geographic Spread of Infectious Diseases_下载链接1_