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Mathematics : Probability Theory and Stochastic Processes

Chowell, Gerardo, Hyman, James M. (Eds.)

Mathematical and Statistical Modeling for Emerging and Re-emerging Infectious Diseases

- Provides contributions by epidemic modeling experts describing a broad range of approaches to address contemporary questions related to the spread and control of infectious diseases
- Demonstrates examples of how models can help understand the spread of infections
- Presents a discussion on the modern statistical modeling methods to design, conduct, and analyze clinical trials measuring the effectiveness of potential vaccines

The contributions by epidemic modeling experts describe how mathematical models and statistical forecasting are created to capture the most important aspects of an emerging epidemic.

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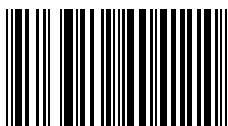
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