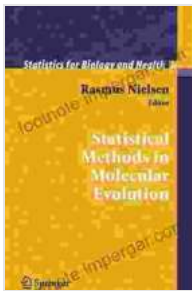


Statistical Methods In Molecular Evolution: Statistics For Biology And Health

Statistical methods play a vital role in the field of molecular evolution, providing researchers with the tools to analyze and interpret genetic data. This book provides a comprehensive overview of statistical methods in molecular evolution, with a focus on applications and real-world examples. The book is divided into three parts:



Statistical Methods in Molecular Evolution (Statistics for Biology and Health) by Rasmus Nielsen

★★★★★ 5 out of 5
Language : English
File size : 10853 KB
Screen Reader : Supported
Print length : 517 pages



1. **Part I:** to statistical methods in molecular evolution
2. **Part II:** Applications of statistical methods in molecular evolution
3. **Part III:** Advanced topics in statistical methods in molecular evolution

Part I: to statistical methods in molecular evolution

Part I provides an overview of the basic concepts of statistical methods in molecular evolution. This section covers topics such as:

- Probability and random variables

- Statistical inference
- Hypothesis testing
- Model selection

Part II: Applications of statistical methods in molecular evolution

Part II applies statistical methods to a variety of problems in molecular evolution. This section covers topics such as:

- Population genetics
- Phylogenetics
- Molecular epidemiology
- Comparative genomics

Part III: Advanced topics in statistical methods in molecular evolution

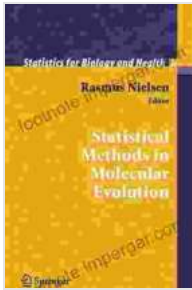
Part III covers advanced topics in statistical methods in molecular evolution. This section covers topics such as:

- Bayesian statistics
- Machine learning
- Statistical genomics

This book provides a comprehensive overview of statistical methods in molecular evolution. The book is written in a clear and concise style, and it is packed with real-world examples. This book is an essential resource for researchers and students in the fields of biology and health.

About the author

Dr. Ziheng Yang is a professor of statistical genetics at the University of California, Berkeley. He is the author of several books and papers on statistical methods in molecular evolution. Dr. Yang is a Fellow of the American Statistical Association and the Royal Statistical Society.



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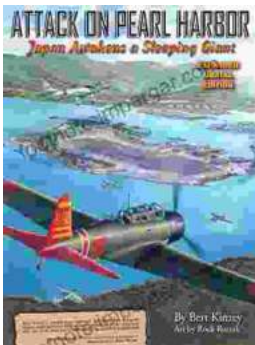
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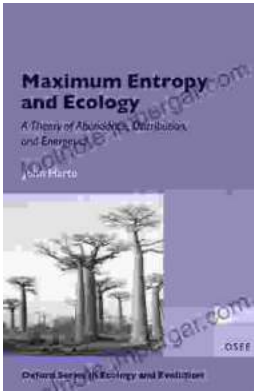
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