Molecular Evolution
A Statistical Approach

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- Presents and explains the statistical methods and computational algorithms developed in molecular evolution, phylogenetics and phylogeography for the comparative analysis of genetic sequence data
- Clear explanations of complex statistical models and principles, using examples of real data analysis and numerical calculations to illustrate the theory
- Ideal graduate seminar course material with working problems at the end of each chapter

Studies of evolution at the molecular level have experienced phenomenal growth in recent decades. Molecular Evolution: A Statistical Approach emphasizes conceptual understanding rather than mathematical proofs. The text is enlivened with numerous examples of real data analysis and numerical calculations to illustrate the theory. The coverage of maximum likelihood and Bayesian methods are in particular up-to-date, comprehensive, and authoritative.

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