



An Introduction to Biostatistics, Second Edition

By Thomas Glover, Kevin Mitchell

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Statistical analysis has become a fundamental quantitative skill for biology students. This highly accessible and thorough introduction to the use of statistics in the biological sciences emphasizes the relationships among probability, probability distributions, and hypothesis testing. The authors highlight the expected value of various test statistics under the null and research hypotheses to develop students understanding of hypotheses-testing methodology. Because student projects often have small sample sizes, nonparametric alternatives are included with the standard parametric techniques. The examples are easy to understand and are drawn from many areas in the life sciences, including genetics, physiology, ecology, agriculture, and medicine. The end-of-chapter problems require the student to choose the appropriate analysis, inducing them to hone decision-making skills that are critical to statistical analysis.

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