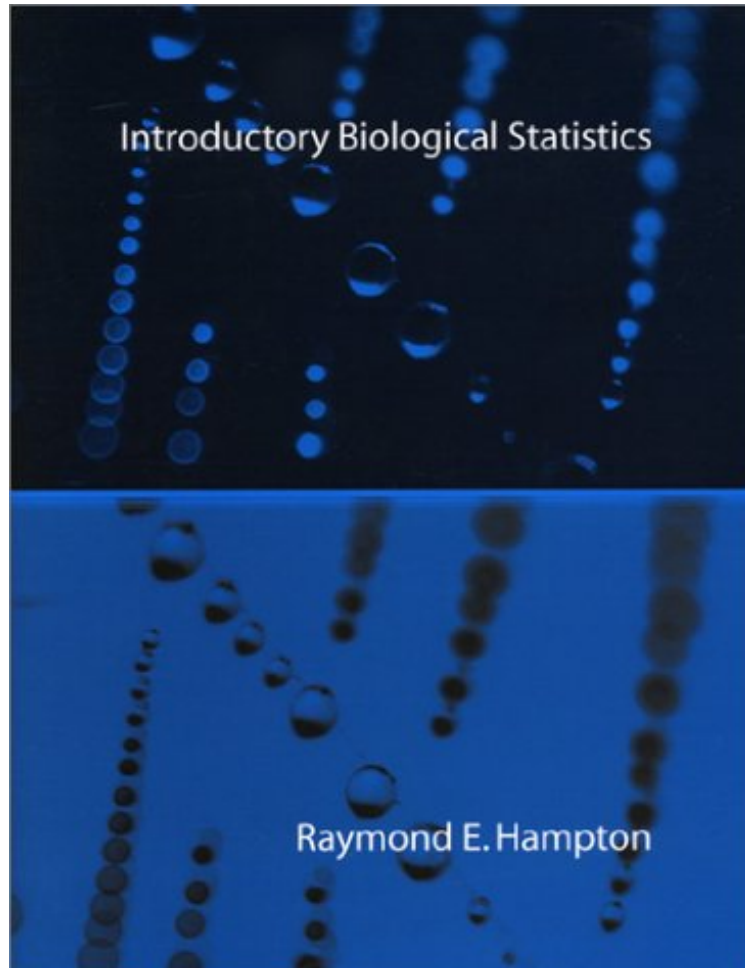


(Free pdf) Introductory Biological Statistics

Introductory Biological Statistics

Raymond E. Hampton

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#3169733 in Books Waveland Pr Inc 2003-09Original language:EnglishPDF # 1 10.75 x 8.25 x .50l, #File Name: 1577662946 | File size: 69.Mb

Raymond E. Hampton : Introductory Biological Statistics before purchasing it in order to gage whether or not it would be worth my time, and all praised Introductory Biological Statistics:

0 of 0 people found the following review helpful. A Great Book by a Great ManBy GMLI knew Raymond Hampton, and this textbook is a wonderful representation of this great man. The writing style is clear, precise, and fully informative. Dr. Hampton's ability to distill out the essential information about statistics models and statistics tests so that a biological researcher can use them is tremendous. Concepts of statistics are such vital components to conducting and analysis of research, that it is shocking how difficult it is to find a text that is custom tailored with the biological researcher in mind. Dr. Raymond Hampton's work gives any practicing biologist or biology graduate student a big leg up in terms of deep understanding of the "whys" and "wheres" of the essential statistical tests, and uses excellent, biology relevant examples to demonstrate both "proper" and "improper" uses of these statistical tools.

Statistical analysis is a powerful research tool. This user-friendly workbook provides a basic understanding of the nature and proper use of various statistical procedures. Written from the perspective of a biologist who uses statistics rather than from the standpoint of a statistician, Dr. Hampton's approach is much more applied than mathematical. *Introductory Biological Statistics* focuses on the commonly used parametric statistical tests, their nonparametric counterparts, and the conditions under which each test is appropriate or inappropriate. Dr. Hampton has included the more commonly used experimental designs and their associated computations, with some examples of each, to indicate their range of usefulness. He emphasizes the interrelatedness of design and analysis, as well as the assumptions upon which the various procedures are based. The assumptions of the tests are clear and accessible. "Caution Boxes" placed throughout the text help students avoid some of the more common pitfalls in using certain statistical procedures. In addition, the text offers exercises that use both small and large data sets, and answers to the exercises for chapters 3-9 are contained in an appendix. Key terms are boldfaced in the text and listed separately at the end of each chapter.

From the Publisher Title of related interested also from Waveland Press: Glover-Mitchell, *An Introduction to Biostatistics, Second Edition* (ISBN 9781577665809). From the Inside Flap I've been waiting a long time for a revised edition of Ray Hampton's book. Having used it continuously for my undergraduate introductory class in biostatistics since it was published in 1994, I am excited about and hopeful that the second edition will be as effective an exposition of introductory statistics as the original. Dan Townsend, University of Scranton