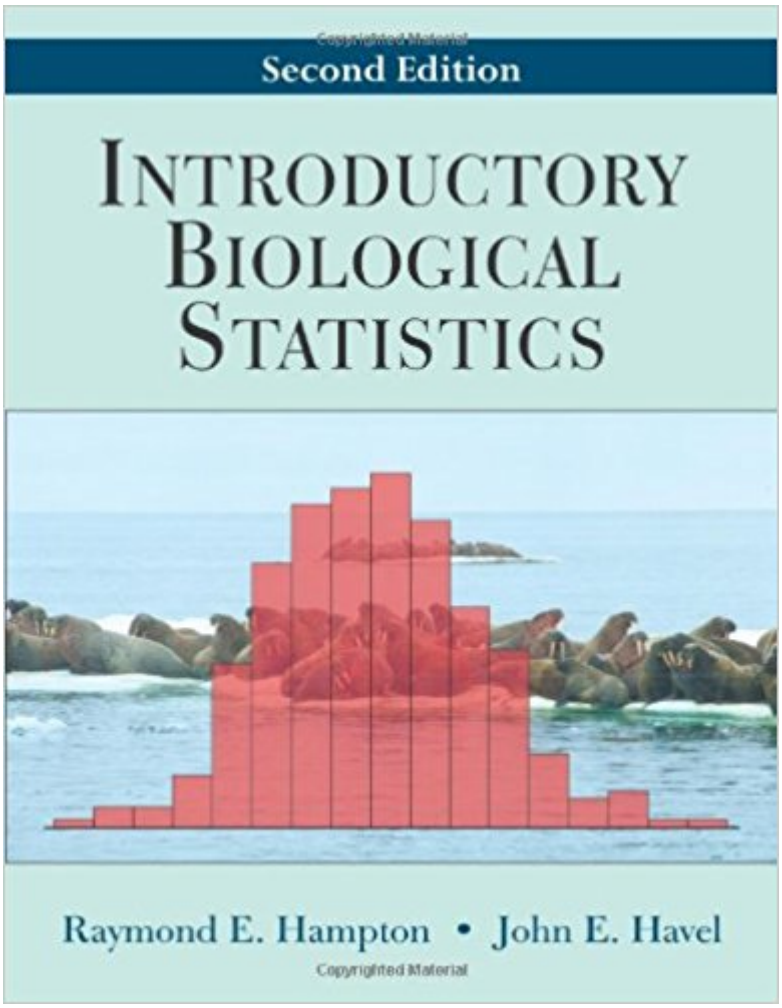
Introductory Biological Statistics



Synopsis

A thorough grounding in statistics is necessary for a career in any experimental science, but many students find themselves intimidated by the subject. Hampton and Havel have written this text with these students in mind. While providing the theory and assumptions necessary for a deep understanding of statistics, they make it approachable and keep it relevant to the interests of biology students. Their examples and exercises show how to choose the appropriate statistical method for a particular hypothesis and how to execute that method using problems encountered by real-world biologists. The second edition has been ambitiously updated and reorganized, facilitating clearer connections between topics and improving clarity of those that are logically distinct. A wide range of descriptive and inferential methods is covered, including: normal, binomial, and Poisson frequency distributions; sampling distributions; one- and two-sample t-tests; the Mann-Whitney and Wilcoxon signed-ranks tests; ANOVA; randomized block and factorial designs; correlations and regression analysis; and the chi-square test and other analyses of frequencies. The accompanying CD contains large data sets (in both ASCII and Excel formats), allowing students and instructors to save time and focus on concepts rather than data entry.

Book Information

Paperback: 175 pages
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Customer Reviews

Title of related interested also from Waveland Press: Glover-Mitchell, An Introduction to Biostatistics, Second Edition (ISBN 9781577665809).

Ive been waiting a long time for a revised edition of Ray Hamptons 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

Seems like a reasonable, relatively understandable coverage of statistics. Book was in good shape, but I see that the new version has a CD. It would have been nice to know that, I would have opted for the new version as the CD was NOT included here.

Great thanks!

Good explanatory book for a class I took. I got it at a good price. I recommend the textbook to anyone taking the same biology class.

My daughter got this text for a Biometry course. I haven't seen her reading it a ton, but it's probably not exactly scintillating reading.

I had the oportunity to take a class with one of the Authors, Dr Havel, while I was a Masters student in Missouri State University. We had hand outs of chapters of this textbook while it was under print. Just like our Professor's lectures this book is simple and easy to understand. I finshed reviewing the textbook for my final exam -the entire book- in 4 hours. It gives small cheats about working statistical problems in MINITAB in MINITAB with out much blabber about the advanced software. I keep the original notes as well as new editions of the textbook still with me as a reference. If you are looking for a hand book for biological statistics this book is the one..If you plan to use or is trying to learn MINITAB this is a good textbook to go through.

If you're new to stats, or just keep forgetting the definition of chi squared, this is the book for you. Easy to read, good worked examples - both parametric and non-parametric (the autor will tell you what those are if you don't already know).I use to borrow my roommates - now I'm buying my own as a handy reference.NB. Does not go into a lot of detail of derivation.

(Statistics and Computing) Introductory DC/AC Electronics And Introductory DC/AC Circuits: Laboratory Manual, 6th Edition Method and Practice in Biological Anthropology: A Workbook and Laboratory Manual for Introductory Courses (2nd Edition) Measuring and Monitoring Biological Diversity. Standard Methods for Amphibians (Biological Diversity Handbook) Introductory Statistics Introductory Statistics for Business and Economics, 4th Edition Introductory Statistics (10th Edition) IBM SPSS for Introductory Statistics: Use and Interpretation, Fifth Edition Statistics and Data Analysis for Financial Engineering: with R examples (Springer Texts in Statistics) Basic Statistics for Business and Economics (Irwin Statistics) Business Statistics: Communicating with Numbers (Irwin Statistics) Discovering Statistics Using IBM SPSS Statistics, 4th Edition Statistics for People Who (Think They) Hate Statistics Statistics and Finance: An Introduction (Springer Texts in Statistics) Statistics for People Who (Think They) Hate Statistics, 4th Statistics for People Who (Think They) Hate Statistics: Using Microsoft Excel 2016 Matrix Algebra Useful for Statistics (Wiley Series in Probability and Statistics) Matrix Algebra: Theory, Computations, and Applications in Statistics (Springer Texts in Statistics)