



# Statistics for Terrified Biologists

By Helmut van Emden

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*"We highly recommend it—not just for statistically terrified biology students and faculty, but also for those who are occasionally anxious or uncertain. In addition to being a good starting point to learn statistics, it is a useful place to return to refresh your memory."* –The Quarterly Review of Biology, March 2009

*"During the entire course of my Ph.D. I've been (embarrassingly) looking for a way to teach myself the fundamentals of statistical analysis. At this point in my education, I've come to realize that often times, simply knowing the basics is enough for you to properly apply even the most complex analytical methods. 'Statistics for Terrified Biologists' has been just such a book - it was more than worth the \$40 I spent on it, and while my 'book clubs' aren't meant to be reviews, I highly recommend the book to anyone who's in a similar predicament to my own."* –Carlo Artieri's Blog Book Club

The typical biology student is “hardwired” to be wary of any tasks involving the application of mathematics and statistical analyses, but the plain fact is much of biology requires interpretation of experimental data through the use of statistical methods.

This unique textbook aims to demystify statistical formulae for the average biology student. Written in a lively and engaging style, *Statistics for Terrified Biologists* draws on the author’s 30 years of lecturing experience. One of the foremost entomologists of his generation, van Emden has an extensive track record for successfully teaching statistical methods to even the most guarded of biology students.

For the first time basic methods are presented using straightforward, jargon-free language. Students are taught to use simple formulae accurately to interpret what is being measured with each test and statistic, while at the same time learning to recognize overall patterns and guiding principles. Complemented by simple illustrations and useful case studies, this is an ideal statistics resource tool for undergraduate biology and environmental science students who lack confidence in their mathematical abilities.

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## Statistics for Terrified Biologists By Helmut van Emden Bibliography

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## Editorial Review

### Review

"I recommend the book to students of biological disciplines and to those still hesitating about their understanding of the basics of statistics applied in biological research." (*Photosynthetica*, 2011)

"The book is a very useful addition to the library of any student, or indeed professional biologist, who has ever had trouble determining what the point was to a statistical analysis, or what the results really mean." (Austral Ecology and Ecological Management & Restoration, 2011)

"We highly recommend it—not just for statistically terrified biology students and faculty, but also for those who are occasionally anxious or uncertain. In addition to being a good starting point to learn statistics, it is a useful place to return to refresh your memory." (*The Quarterly Review of Biology*, March 2009)

"*Statistics for Terrified Biologists* provides a valuable guide to statistics in clear language, which make it invaluable for pre-health and biology undergraduates students. Highly recommended." (*CHOICE*, March 2009)

"I would like to express my utmost gratitude to you for writing THE book on statistics for biologists. Your book makes statistics tangible and enjoyable. I've begun spreading the word to the other faculty here, and two have already purchased copies for themselves. I thank you for your time, and this gift you have given biology as a whole!" E. Joseph Nolan IV (West Liberty University, November 2011)

### From the Back Cover

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#### About the Author

**Helmut van Emden** recently retired as Professor of Horticulture and Entomology at the University of Reading, UK.

### Users Review

#### From reader reviews:

##### Arthur Walker:

Nowadays reading books become more than want or need but also be a life style. This reading routine give you lot of advantages. The huge benefits you got of course the knowledge even the information inside the book which improve your knowledge and information. The information you get based on what kind of book you read, if you want attract knowledge just go with training books but if you want really feel happy read one using theme for entertaining like comic or novel. The Statistics for Terrified Biologists is kind of book which is giving the reader unstable experience.

##### Phillip Herzog:

The publication with title Statistics for Terrified Biologists possesses a lot of information that you can understand it. You can get a lot of advantage after read this book. This kind of book exist new information the information that exist in this guide represented the condition of the world at this point. That is important to yo7u to understand how the improvement of the world. This particular book will bring you within new era of the internationalization. You can read the e-book on your own smart phone, so you can read the idea anywhere you want.

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professionals understand the condition of the world. The condition of the world makes the information easier to share. You can find a lot of sources to get information example: internet, paper, book, and soon. You will see that now, a lot of publisher in which print many kinds of book. The actual book that recommended to you is Statistics for Terrified Biologists this book consist a lot of the information on the condition of this world now. This specific book was represented how can the world has grown up. The vocabulary styles that writer use for explain it is easy to understand. The particular writer made some investigation when he makes this book. Honestly, that is why this book acceptable all of you.

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