

# Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook)

By Stefan Th. Gries

Download now

Read Online ➔

## Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries

This book is the revised and extended second edition of *Statistics for Linguistics with R*. The volume is an introduction to statistics for linguists using the open source software R. It is aimed at students and instructors/professors with little or no statistical background and is written in a non-technical and reader-friendly/accessible style.


It first introduces in detail the overall logic underlying quantitative studies: exploration, hypothesis formulation and operationalization, and the notion and meaning of significance tests. It then introduces some basics of the software R relevant to statistical data analysis. A chapter on descriptive statistics explains how summary statistics for frequencies, averages, and correlations are generated with R and how they are graphically represented best. A chapter on analytical statistics explains how statistical tests are performed in R on the basis of many different linguistic case studies: For nearly every single example, it is explained what the structure of the test looks like, how hypotheses are formulated, explored, and tested for statistical significance, how the results are graphically represented, and how one would summarize them in a paper/article. A chapter on selected multifactorial methods introduces how more complex research designs can be studied: methods for the study of multifactorial frequency data, correlations, tests for means, and binary response data are discussed and exemplified step-by-step. Also, the exploratory approach of hierarchical cluster analysis is illustrated in detail.

The book comes with many exercises, boxes with short think breaks and warnings, recommendations for further study, and answer keys as well as a statistics for linguists newsgroup on the companion website.

Just like the first edition, it is aimed at students, faculty, and researchers with little or no statistical background in statistics or the open source programming language R. It avoids mathematical jargon and discusses the logic and structure of quantitative studies and introduces descriptive statistics as well as a range of monofactorial statistical tests for frequencies, distributions, means, dispersions, and correlations. The comprehensive revision includes new small sections on

programming topics that facilitate statistical analysis, the addition of a variety of statistical functions readers can apply to their own data, a revision of overview sections on statistical tests and regression modeling, a complete rewrite of the chapter on multifactorial approaches, which now contains sections on linear regression, binary and ordinal logistic regression, multinomial and Poisson regression, and repeated-measures ANOVA, and a new visual tool to identify the right statistical test for a given problem and data set. The amount of code available from the companion website has doubled in size, providing much supplementary material on statistical tests and advanced plotting.

 [Download Statistics for Linguistics with R: A Practical Int ...pdf](#)

 [Read Online Statistics for Linguistics with R: A Practical I ...pdf](#)

# Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook)

By Stefan Th. Gries

**Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook)** By Stefan Th. Gries

This book is the revised and extended second edition of *Statistics for Linguistics with R*. The volume is an introduction to statistics for linguists using the open source software R. It is aimed at students and instructors/professors with little or no statistical background and is written in a non-technical and reader-friendly/accessible style.

It first introduces in detail the overall logic underlying quantitative studies: exploration, hypothesis formulation and operationalization, and the notion and meaning of significance tests. It then introduces some basics of the software R relevant to statistical data analysis. A chapter on descriptive statistics explains how summary statistics for frequencies, averages, and correlations are generated with R and how they are graphically represented best. A chapter on analytical statistics explains how statistical tests are performed in R on the basis of many different linguistic case studies: For nearly every single example, it is explained what the structure of the test looks like, how hypotheses are formulated, explored, and tested for statistical significance, how the results are graphically represented, and how one would summarize them in a paper/article. A chapter on selected multifactorial methods introduces how more complex research designs can be studied: methods for the study of multifactorial frequency data, correlations, tests for means, and binary response data are discussed and exemplified step-by-step. Also, the exploratory approach of hierarchical cluster analysis is illustrated in detail.

The book comes with many exercises, boxes with short think breaks and warnings, recommendations for further study, and answer keys as well as a statistics for linguists newsgroup on the companion website.

Just like the first edition, it is aimed at students, faculty, and researchers with little or no statistical background in statistics or the open source programming language R. It avoids mathematical jargon and discusses the logic and structure of quantitative studies and introduces descriptive statistics as well as a range of monofactorial statistical tests for frequencies, distributions, means, dispersions, and correlations. The comprehensive revision includes new small sections on programming topics that facilitate statistical analysis, the addition of a variety of statistical functions readers can apply to their own data, a revision of overview sections on statistical tests and regression modeling, a complete rewrite of the chapter on multifactorial approaches, which now contains sections on linear regression, binary and ordinal logistic regression, multinomial and Poisson regression, and repeated-measures ANOVA, and a new visual tool to identify the right statistical test for a given problem and data set. The amount of code available from the companion website has doubled in size, providing much supplementary material on statistical tests and advanced plotting.

**Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook)** By Stefan Th. Gries  
**Bibliography**

- Sales Rank: #985459 in Books

- Published on: 2013-03-15
- Released on: 2013-03-15
- Original language: English
- Number of items: 1
- Dimensions: 9.06" h x .94" w x 6.10" l, .0 pounds
- Binding: Paperback
- 374 pages

 [Download Statistics for Linguistics with R: A Practical Int ...pdf](#)

 [Read Online Statistics for Linguistics with R: A Practical I ...pdf](#)

## **Download and Read Free Online Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries**

---

### **Editorial Review**

#### **Review**

"Gries has diligently compiled a work of great use and interest. It is relevant above all to linguistic students and researchers, and can readily act as a textbook for taught courses. It should be noted that the book is equally useful as a reference guide, with the analysis scenarios sufficiently well labeled and organized so that the reader can dip into it as and when necessary, or as a complete set of exercises which the reader can work through section by section." Andrew Caines in: *Linguist List* 22.412

"Gries has diligently compiled a work of great use and interest. It is relevant above all to linguistic students and researchers, and can readily act as a textbook for taught courses. It should be noted that the book is equally useful as a reference guide, with the analysis scenarios sufficiently well labeled and organized so that the reader can dip into it as and when necessary, or as a complete set of exercises which the reader can work through section by section." *Andrew Caines in: Linguist List* 22.412

#### **About the Author**

**Stefan Th. Gries**, University of California, Santa Barbara, USA.

### **Users Review**

#### **From reader reviews:**

##### **Larry Brackett:**

What do you about book? It is not important with you? Or just adding material when you need something to explain what yours problem? How about your extra time? Or are you busy particular person? If you don't have spare time to perform others business, it is make you feel bored faster. And you have time? What did you do? Every individual has many questions above. They should answer that question since just their can do that will. It said that about book. Book is familiar in each person. Yes, it is correct. Because start from on pre-school until university need this kind of Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) to read.

##### **Alma Driver:**

This book untitled Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) to be one of several books that best seller in this year, that's because when you read this e-book you can get a lot of benefit onto it. You will easily to buy this kind of book in the book retail outlet or you can order it by using online. The publisher in this book sells the e-book too. It makes you more readily to read this book, since you can read this book in your Smartphone. So there is no reason for you to past this guide from your list.

**Dora Bair:**

The e-book untitled Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) is the reserve that recommended to you to study. You can see the quality of the e-book content that will be shown to an individual. The language that writer use to explained their way of doing something is easily to understand. The writer was did a lot of research when write the book, therefore the information that they share for your requirements is absolutely accurate. You also can get the e-book of Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) from the publisher to make you considerably more enjoy free time.

**Delores Saenz:**

People live in this new moment of lifestyle always attempt to and must have the extra time or they will get great deal of stress from both way of life and work. So , if we ask do people have free time, we will say absolutely sure. People is human not really a robot. Then we consult again, what kind of activity do you have when the spare time coming to an individual of course your answer can unlimited right. Then do you try this one, reading textbooks. It can be your alternative within spending your spare time, often the book you have read is actually Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook).

**Download and Read Online Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries #QT1YS7CALFX**

## **Read Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries for online ebook**

Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries books to read online.

### **Online Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries ebook PDF download**

**Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries Doc**

Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries Mobipocket

Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries EPub

QT1YS7CALFX: Statistics for Linguistics with R: A Practical Introduction (Mouton Textbook) By Stefan Th. Gries