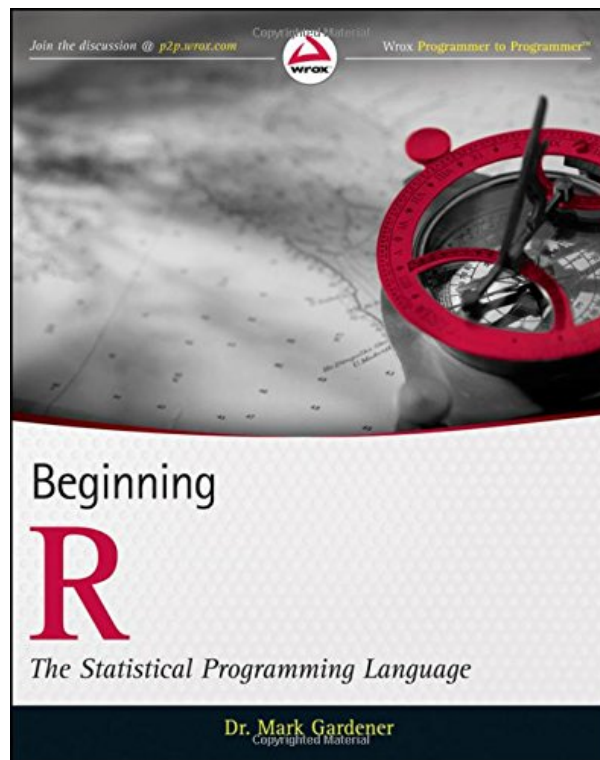
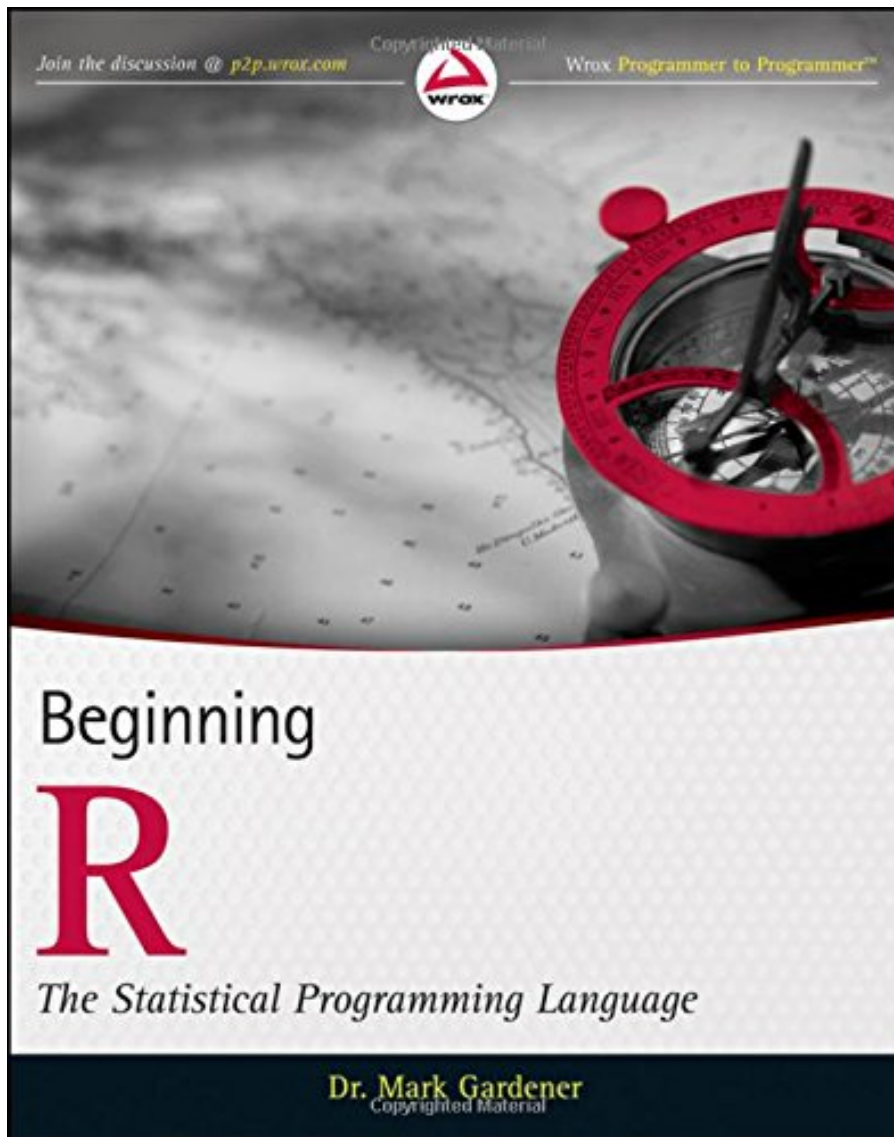


# BEGINNING R: THE STATISTICAL PROGRAMMING LANGUAGE BY MARK GARDENER



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From the Back Cover

Gain better insight into your data using the power of R

While R is very flexible and powerful, it is unlike most of the computer programs you have used. In order to unlock its full potential, this book delves into the language, making it accessible so you can tackle even the most complex of data analysis tasks. Simple data examples are integrated throughout so you can explore the capabilities and versatility of R. Along the way, you'll also learn how to carry out a range of commonly used statistical methods, including Analysis of Variance and Linear Regression. By the end, you'll be able to effectively and efficiently analyze your data and present the results.

Beginning R:

- Discusses how to implement some basic statistical methods such as the t-test, correlation, and tests of association
- Explains how to turn your graphs from merely adequate to simply stunning
- Provides you with the ability to define complex analytical situations
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### About the Author

Dr. Mark Gardener is an ecologist, lecturer, and writer working in the UK. He is currently self-employed and runs courses in ecology, data analysis, and R for a variety of organizations.

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Conquer the complexities of this open source statistical language

R is fast becoming the de facto standard for statistical computing and analysis in science, business, engineering, and related fields. This book examines this complex language using simple statistical examples, showing how R operates in a user-friendly context. Both students and workers in fields that require extensive statistical analysis will find this book helpful as they learn to use R for simple summary statistics, hypothesis testing, creating graphs, regression, and much more. It covers formula notation, complex statistics, manipulating data and extracting components, and rudimentary programming.

- R, the open source statistical language increasingly used to handle statistics and produces publication-quality graphs, is notoriously complex
- This book makes R easier to understand through the use of simple statistical examples, teaching the necessary elements in the context in which R is actually used
- Covers getting started with R and using it for simple summary statistics, hypothesis testing, and graphs
- Shows how to use R for formula notation, complex statistics, manipulating data, extracting components, and regression
- Provides beginning programming instruction for those who want to write their own scripts

Beginning R offers anyone who needs to perform statistical analysis the information necessary to use R with confidence.

- Sales Rank: #384335 in Books
- Brand: Brand: Wrox
- Published on: 2012-06-05
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .90" w x 7.40" l, 1.85 pounds
- Binding: Paperback
- 504 pages

Features

- Used Book in Good Condition

From the Back Cover

Gain better insight into your data using the power of R

While R is very flexible and powerful, it is unlike most of the computer programs you have used. In order to unlock its full potential, this book delves into the language, making it accessible so you can tackle even the most complex of data analysis tasks. Simple data examples are integrated throughout so you can explore the

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### About the Author

Dr. Mark Gardener is an ecologist, lecturer, and writer working in the UK. He is currently self-employed and runs courses in ecology, data analysis, and R for a variety of organizations.

### Most helpful customer reviews

10 of 12 people found the following review helpful.

#### Practice Problems

By BoroTurtle

I have experience with statistics, SAS, and C programming, but I had no experience with R. The book has been quite useful for learning the basics of R programming. The features I particularly like are: (1) end of chapter summaries, (2) practice problems, with solutions at the end of the book, and (3) clearly written

explanations of 'How It Works'.

The author covers how to use R to conduct statistical analyses that would be covered in a basic or advanced undergraduate statistics class. As noted in another review, the focus is on how to conduct an analysis (e.g., t-test), not why a t-test would be appropriate.

The book would be a great companion to a statistics book such as Howell's Statistical Methods for Psychology. Students who are enrolled in a statistics class or have had a statistics class and want to learn R may benefit the most from the book. The practice problems with solutions make it quite useful for self-teaching.

8 of 10 people found the following review helpful.

Good for beginning the basics of data analysis

By uberstomping

I read the book from the perspective of an experienced software developer and found that the book described R's functions and capabilities in a manner that was too simple and from my perspective and didn't require the level of details provided in the book. But with that being said, the book would be perfect for perhaps researchers or scientists with a less-strong programming background because it guides the users through the basics of beginning data analyses with R with thorough examples and exercises. I found the book requires a grasp of statistics to really appreciate the content (even though some concepts are explained). Only one chapter seemed relevant for the actual "programming" of R. On the other hand I got a decent enough overview of the nature of functions built into R.

8 of 12 people found the following review helpful.

Not an Intro book for non programmers.

By Not\_A\_Bot\_12

Updating my review and raised it a star...

This is a good third level book. It makes very little use of any 3rd party packages. Just native R functions.

After you have played with R for a semester, this may be a good follow on book. It will improve your R knowledge and decide how deep you want to go into programming with R.

There is 5 different ways to do stuff, so ever book shows a different way. Not relying on packages gives some "behind the scenes" on what is happening.

\*\*\*\*\*Original Review\*\*\*\*\*

The book really shouldn't start with Beginning R. On the book cover it says programmer to programmer in small text in the upper right hand corner. Programmers is who the book is directed at.

I bought the book because it had Beginning in the title and the kindle version price was reasonable.

1. The book assumes you have the required math/statistics knowledge already.
2. The book assumes you have a good understanding of programming already.

Based on my quick look at the book last night this isn't a book for someone familiar with the research methods based approach. The use of the word "independent" is only 3 times in the context of "independent variable" in the entire book. There is 3 sample PDFs on the books web site. just google for it.

I will update my review in a couple months after I have progressed in my knowledge more, but wanted to



help out those who were considering this book.

Also the "R for dummies" and "Art of R programming" are not intro books either. The R for dummies book is more disappointing as dummies books are usually good intro books.

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