Beginning R: An Introduction to Statistical Programming (Expert's Voice in Programming)

Larry A. Pace

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Beginning R: An Introduction to Statistical Programming is a hands-on book showing how to use the R language, write and save R scripts, build and import data files, and write your own custom statistical functions. R is a powerful open-source implementation of the statistical language S, which was developed by AT&T. R has eclipsed S and the commercially-available S-Plus language, and has become the de facto standard for doing, teaching, and learning computational statistics.

R is both an object-oriented language and a functional language that is easy to learn, easy to use, and completely free. A large community of dedicated R users and programmers provides an excellent source of R code, functions, and data sets. R is also becoming adopted into commercial tools such as Oracle Database. Your investment in learning R is sure to pay off in the long term as R continues to grow into the go to language for statistical exploration and research.

- Covers the freely-available R language for statistics
- Shows the use of R in specific uses case such as simulations, discrete probability solutions, one-way ANOVA analysis, and more
- Takes a hands-on and example-based approach incorporating best practices with clear explanations of the statistics being done

What you'll learn

- Acquire and install R
- Import and export data and scripts
- Generate basic statistics and graphics
- Program in R to write custom functions
- Use R for interactive statistical explorations
- Implement simulations and other advanced techniques

Who this book is for

Beginning R: An Introduction to Statistical Programming is an easy-to-read book that serves as an instruction manual and reference for working professionals, professors, and students who want to learn and

use R for basic statistics. It is the perfect book for anyone needing a free, capable, and powerful tool for exploring statistics and automating their use.

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