Statistical Models in S

J. M. Chambers, T.J. Hastie
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J. M. Chambers, T.J. Hastie : Statistical Models in S before purchasing it in order to gage whether or not it would be worth my time, and all praised Statistical Models in S:

1 of 1 people found the following review helpful. Modelling data with the S (or R) languageBy R. J. V. JacksonThis describes the panoply of programs available in theR language for the exploration of data. One needs somefamiliarity with statistics, but it is amazing to see what thecrew at ATT has done with their "language."0 of 0 people found the following review helpful. Good and useful.By MR PIERRE JEANVery good, very useful, with nice examples. I recommand it.18 of 18 people found the following review helpful. Simply the Best (for those who want to know what they're doing)By wjdIf you really want to know what you're doing when you use S, buy this book. Don't waste your money on a book like Venables and Ripley -- you will be sorely dissappointed, unless you just want a large collections of example calls to canned S routines. The authors of the present book, on the other hand, are Chambers and Hastie of ATT (where S was invented), and they clearly understand the importance of detailed explanations of the theory underlying the S functions they describe. Just as important, in my opinion, they also describe the algorithms used by these functions. These two components are missing from other books (like the popular Venables and Ripley) but they are critical in order to know -- and be able to explain and justify to others -- how and why your statistical analyses were performed and what the results really mean. The other way of doing statistics (i.e. throwing canned procedures at your data and seeing what pretty graphs and figures you can produce) is meaningless.

Statistical Models in S extends the S language to fit and analyze a variety of statistical models, including analysis of variance, generalized linear models, additive models, local regression, and tree-based models. The contributions of the ten authors-most of whom work in the statistics research department at ATT Bell Laboratories-represent results of research in both the computational and statistical aspects of modeling data.