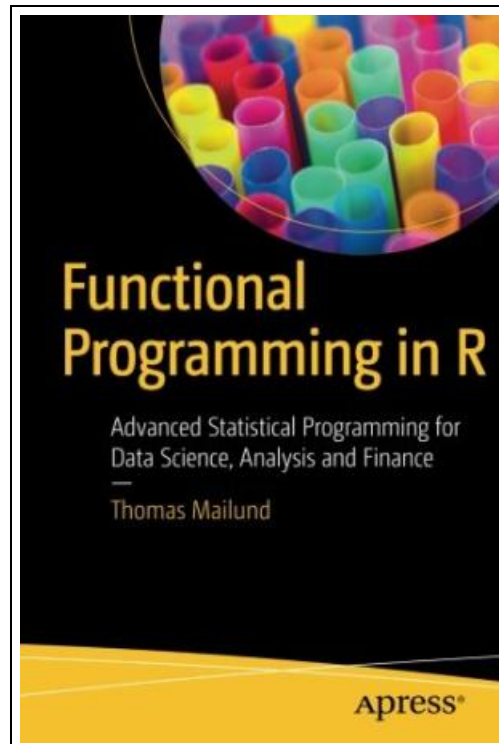


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(Deondre Hackett)

FUNCTIONAL PROGRAMMING IN R: ADVANCED STATISTICAL PROGRAMMING FOR DATA SCIENCE, ANALYSIS AND FINANCE (PAPERBACK)



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aPress, United States, 2017. Paperback. Condition: New. 1st ed.. Language: English . Brand New Book. Master functions and discover how to write functional programs in R. In this concise book, you ll make your functions pure by avoiding side-effects; you ll write functions that manipulate other functions, and you ll construct complex functions using simpler functions as building blocks.In Functional Programming in R, you ll see how we can replace loops, which can have side-effects, with recursive functions that can more easily avoid them. In addition, the book covers why you shouldn t use recursion when loops are more efficient and how you can get the best of both worlds.Functional programming is a style of programming, like object-oriented programming, but one that focuses on data transformations and calculations rather than objects and state. Where in object-oriented programming you model your programs by describing which states an object can be in and how methods will reveal or modify that state, in functional programming you model programs by describing how functions translate input data to output data. Functions themselves are considered to be data you can manipulate and much of the strength of functional programming comes from manipulating functions; that is, building more complex functions by combining simpler functions.What You ll LearnWrite functions in R including infix operators and replacement functions Create higher order functionsPass functions to other functions and start using functions as data you can manipulateUse Filer, Map and Reduce functions to express the intent behind code clearly and safelyBuild new functions from existing functions without necessarily writing any new functions, using point-free programmingCreate functions that carry data along with themWho This Book Is ForThose with at least some experience with programming in R.



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