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Titolo	Metaprogramming in R : advanced statistical programming for data science, analysis and finance // by Thomas Mailund
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Descrizione fisica	1 online resource (XI, 103 p. 4 illus.)
Disciplina	005.11
Soggetti	Computer programming Programming languages (Electronic computers) Mathematical statistics R (Computer program language) Programming Techniques Programming Languages, Compilers, Interpreters Probability and Statistics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Anatomy of a Function -- 2. Inside a Function-Call -- 3. Expressions and Environments -- 4. Manipulating Expressions -- 5. Working with Substitutions.
Sommario/riassunto	Learn how to manipulate functions and expressions to modify how the R language interprets itself. This book is an introduction to metaprogramming in the R language, so you will write programs to manipulate other programs. Metaprogramming in R shows you how to treat code as data that you can generate, analyze, or modify. R is a very high-level language where all operations are functions and all functions are data that can be manipulated. This book shows you how to leverage R's natural flexibility in how function calls and expressions are evaluated, to create small domain-specific languages to extend R within the R language itself. You will: Find out about the anatomy of a function in R Look inside a function call Work with R expressions and environments Manipulate expressions in R Use substitutions .

