

1. Record Nr.	UNINA9910965383503321
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Titolo	The essential R reference / / Mark Gardener
Pubbl/distr/stampa	Indianapolis, Ind., : J. Wiley & Sons, Inc., 2013
ISBN	9781118722435 1118722434 9781118391389 1118391381 9781283851534 1283851539 9781118391402 1118391403
Edizione	[1st edition]
Descrizione fisica	1 online resource (578 p.)
Disciplina	005.1
Soggetti	R (Computer program language) Object-oriented programming languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	The Essential R Reference; About the Author; Acknowledgments; Contents; Introduction; Theme 1: Data; Data Types; Types of Data; Altering Data Types; Testing Data Types; Creating Data; Creating Data from the Keyboard; Creating Data from the Clipboard; Adding to Existing Data; Importing Data; Importing Data from Text Files; Importing Data from Data Files; Saving Data; Saving Data as a Text File to Disk; Saving Data as a Data File to Disk; Viewing Data; Listing Data; Data Object Properties; Selecting and Sampling Data; Sorting and Rearranging Data; Summarizing Data; Summary Statistics Summary Tables Distribution of Data; Density Functions; Probability Functions; Quantile Functions; Random Numbers; Theme 2: Math and Statistics; Mathematical Operations; Math; Logic; Complex Numbers; Trigonometry; Hyperbolic Functions; Matrix Math; Summary Statistics; Simple Summary Stats; Tests of Distribution; Differences Tests; Parametric Tests; Non-parametric; Correlations and Associations;

Correlation; Association and Goodness of Fit; Analysis of Variance and Linear Modeling; ANOVA; Linear Modeling; Miscellaneous Methods; Clustering; Ordination; Time Series
Non-linear Modeling and Optimization
Theme 3: Graphics; Making Graphs; Types of Graphs; Saving Graphs; Adding to Graphs; Adding Data; Adding Lines; Adding Shapes; Adding Text; Adding Legends; Graphical Parameters; Using the `par` Command; Altering Color; Altering Axis Parameters; Altering Text Parameters; Altering Line (and Box) Parameters; Altering Plot Margins; Altering the Graph Window; Theme 4: Utilities; Install; Installing R; Installing Packages; Using R; Using the Program; Additional Packages; Programming; Managing Functions; Saving and Running Scripts; Conditional Control
Returning Results
Error Trapping; Constants; Index

Sommario/riassunto

An essential library of basic commands you can copy and paste into R
The powerful and open-source statistical programming language R is rapidly growing in popularity, but it requires that you type in commands at the keyboard rather than use a mouse, so you have to learn the language of R. But there is a shortcut, and that's where this unique book comes in. A companion book to *Visualize This: The FlowingData Guide to Design, Visualization, and Statistics*, this practical reference is a library of basic R commands that you can copy and paste into R to perform many types of stat
