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Autore	Balbaert Ivo
Titolo	Getting started with Julia programming : enter the exciting world of Julia, a high-performance language for technical computing // Ivo Balbaert ; commissioning editor Kevin Colaco ; content development editor Neeshma Ramakrishnan ; copy editor Rashmi Sawant
Pubbl/distr/stampa	Birmingham, England ; ; Mumbai, [India] : , : Packt Publishing, , 2015 ©2015
ISBN	1-78328-480-3
Edizione	[1st edition]
Descrizione fisica	1 online resource (214 p.)
Collana	Community Experience Distilled
Disciplina	001.6420151
Soggetti	Numerical analysis - Computer programs Mathematical analysis - Computer programs Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; The Rationale for Julia; Chapter 1: Installing the Julia Platform; Installing Julia; Windows version - usable from Windows XP SP2 onwards; Ubuntu version; OS X; Building from source; Working with Julia's shell; Startup options and Julia scripts; Packages; Adding a new package; Installing and working with Julia Studio; Installing and working with IJulia; Installing Sublime-IJulia; Installing Juno; Other editors and IDEs; How Julia works; Summary Chapter 2: Variables, Types, and Operations Variables, naming conventions, and comments; Types; Integers; Floating point numbers; Elementary mathematical functions and operations; Rational and complex numbers; Characters; Strings; Formatting numbers and strings; Regular expressions; Ranges and arrays; Other ways to create arrays; Some common functions for arrays; How to convert an array of chars to a string; Dates and times; Scope and constants; Summary; Chapter 3: Functions; Defining functions; Optional and keyword arguments; Anonymous functions; First-class functions and closures Recursive functions Map, filter, and list comprehensions; Generic functions and multiple dispatch; Summary; Chapter 4: Control Flow;

Conditional evaluation; Repeated evaluation; The for loop; The while loop; The break statement; The continue statement; Exception handling; Scope revisited; Tasks; Summary; Chapter 5: Collection Types; Matrices; Tuples; Dictionaries; Keys and values - looping; Sets; Making a set of tuples; Example project - word frequency; Summary; Chapter 6: More on Types, Methods, and Modules; Type annotations and conversions; Type conversions and promotions
The type hierarchy - subtypes and supertypes
Concrete and abstract types; User-defined and composite types; When are two values or objects equal or identical?; Multiple dispatch example; Types and collections - inner constructors; Type unions; Parametric types and methods; Standard modules and paths; Summary; Chapter 7: Metaprogramming in Julia; Expressions and symbols; Eval and interpolation; Defining macros; Built-in macros; Testing; Debugging; Benchmarking; Starting a task; Reflection capabilities; Summary; Chapter 8: I/O, Networking, and Parallel Computing; Basic input and output
Working with files
Reading and writing CSV files; Using DataFrames; Other file formats; Working with TCP sockets and servers; Interacting with databases; Parallel operations and computing; Creating processes; Using low-level communications; Parallel loops and maps; Distributed arrays; Summary; Chapter 9: Running External Programs; Running shell commands; Interpolation; Pipelining; Calling C and FORTRAN; Calling Python; Performance tips; Tools to use; Summary; Chapter 10: The Standard Library and Packages; Digging deeper into the standard library; Julia's package manager
Installing and updating packages

Sommario/riassunto

This book is for you if you are a data scientist or working on any technical or scientific computation projects. The book assumes you have a basic working knowledge of high-level dynamic languages such as MATLAB, R, Python, or Ruby.

2. Record Nr.	UNISALENTO991001565169707536
Autore	Cox, D.R.
Titolo	The analysis of binary data / D.R. Cox and E.J. Snell
Pubbl/distr/stampa	London [etc.] : Chapman and Hall, 1989
ISBN	0412306204
Edizione	[2. ed.]
Descrizione fisica	vii, 236 p. ; 24 cm
Collana	Monographs on applied probability and statistics ; 32
Altri autori (Persone)	Snell, E.J.
Disciplina	519.5352
Soggetti	Analisi della varianza Probabilità
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