Record Nr. UNINA9910828406503321 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 Birmingham, England; Mumbai, [India]: .: Packt Publishing., 2015 Pubbl/distr/stampa ©2015 **ISBN** 1-78328-480-3 Edizione [1st edition] Descrizione fisica 1 online resource (214 p.) Collana Community Experience Distilled Disciplina 001.6420151 Numerical analysis - Computer programs Soggetti Mathematical analysis - Computer programs 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

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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.