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Titolo	Applied data visualization with R and ggplot2 : Create useful, elaborate, and visually appealing plots // Dr. Tania Moulik
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Edizione	[1st edition]
Descrizione fisica	1 online resource (1 volume) : illustrations
Disciplina	511
Soggetti	Information visualization Visual analytics R (Computer program language) Charts, diagrams, etc - Computer programs
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Applied data visualization with R and ggplot2 : create useful, elaborate, and visually appealing plots -- About the Author -- Packt Upsell -- Table of Contents -- Preface -- Chapter 1: Basic Plotting in ggplot2 -- Chapter 2: Grammar of Graphics and Visual Components -- Chapter 3: Advanced Geoms and Statistics -- Solutions -- Other Books You May Enjoy -- Index.
Sommario/riassunto	Develop informative and aesthetic visualizations that enable effective data analysis in less time Key Features Discover structure of ggplot2, grammar of graphics, and geometric objects Study how to design and implement visualization from scratch Explore the advantages of using advanced plots Book Description Applied Data Visualization with R and ggplot2 introduces you to the world of data visualization by taking you through the basic features of ggplot2. To start with, you'll learn how to set up the R environment, followed by getting insights into the grammar of graphics and geometric objects before you explore the plotting techniques. You'll discover what layers, scales, coordinates, and themes are, and study how you can use them to transform your data into aesthetical graphs. Once you've grasped the basics, you'll move on to studying simple plots such as histograms and advanced

plots such as superimposing and density plots. You'll also get to grips with plotting trends, correlations, and statistical summaries. By the end of this book, you'll have created data visualizations that will impress your clients. What you will learn

- Set up the R environment, RStudio, and understand structure of ggplot2
- Distinguish variables and use best practices to visualize them
- Change visualization defaults to reveal more information about data
- Implement the grammar of graphics in ggplot2 such as scales and faceting
- Build complex and aesthetic visualizations with ggplot2 analysis methods
- Logically and systematically explore complex relationships
- Compare variables in a single visual, with advanced plotting methods

Who this book is for Applied Data Visualization with R and ggplot2 is for you if you are a professional working with data and R. This book is also for students who want to enhance their data analysis skills by adding informative and professional visualizations. It is assumed that you know basics of the R language and its commands and objects.
