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Nota di contenuto	Cover; Title Page; Copyright; Contents; Preface; Acknowledgements; Part I Data Manipulation and the SAS Programming Language; Chapter 1 Getting Started; 1.1 Using SAS in a Windows Environment; 1.1.1 Creating a Folder for Storing Your SAS Files; 1.1.2 Beginning the SAS Program; 1.1.3 Understanding the SAS Windows Interface; 1.2 Your First SAS Analysis; 1.3 How SAS Works; 1.4 Tips and Tricks for Running SAS Programs; 1.4.1 Using the SAS Enhanced Editor; 1.4.2 Using SAS Function Keys; 1.4.3 Using the SAS Menus; 1.4.4 Understanding Common File Extensions; 1.4.5 Getting SAS Help; 1.5 Summary Exercises Chapter 2 Getting Data into SAS; 2.1 Using SAS Data Sets; 2.2 Understanding SAS Data Set Structure; 2.3 Rules for SAS Variable Names; 2.4 Understanding SAS Variable Types; 2.5 Methods of Reading Data into SAS; 2.5.1 Reading Data Using Freeform List Input; 2.5.2 Reading Data Using the Compact Method; 2.5.3 Reading Data Using Column Input; 2.5.4 Reading Data Using Formatted Input; 2.5.5 Using FORMATS for Output; 2.5.6 Using the SAS INFORMAT Statement; 2.5.7 Reading External Data Using INFILE; 2.6 Going Deeper: More Techniques for Entering Data 2.6.1 Reading Multiple Records per Observation 2.6.2 Using Advanced INFILE Statement Options; 2.7 Summary; Exercises; Chapter 3 Reading, Writing, and Importing Data; 3.1 Working With SAS Libraries and

Permanent Data Sets; 3.2 Creating Permanent SAS Data Sets Using the Windows File Name Technique; 3.3 Creating Permanent SAS Data Sets Using an SAS Library; 3.4 Creating a SAS Library Using a Dialog Box; 3.5 Creating a SAS Library Using Code; 3.6 Using Data in Permanent SAS Data Sets; 3.7 Importing Data from Another Program; 3.7.1 Importing Data Using the SAS Import Wizard
3.7.2 Importing Data Using the SAS Code 3.7.3 Exporting Data Using the SAS Code; 3.8 Discovering the Contents of an SAS Data Set; 3.9 Going Deeper: Understanding How the Data Step Reads and Stores Data; 3.10 Summary; Exercises; Chapter 4 Preparing Data for Analysis; 4.1 Labeling Variables with Explanatory Names; 4.2 Creating New Variables; 4.2.1 Creating Numeric Variables in the DATA Step; 4.2.2 Creating New Variables as Constant Values; 4.3 Using If-Then-Else Conditional Statement Assignments; 4.3.1 Using IF-THEN to Assign Missing Values; 4.3.2 Using IF and IF-THEN To Subset Data Sets 4.3.3 Using IF-THEN and DO for Program Control 4.3.4 Using @ and IF to Conditionally Read Lines in a Data Set; 4.4 Using Drop and Keep to Select Variables; 4.5 Using the SET Statement to Read an Existing Data Set; 4.6 Using PROC Sort; 4.7 Appending and Merging Data Sets; 4.7.1 Appending Two Data Sets; 4.7.2 Merging Data Sets by a Key Identifier; 4.7.3 Few-to-Many Merge; 4.8 Using PROC Format; 4.8.1 Creating Permanent Formats; 4.9 Going Deeper: Finding First and Last Values; 4.10 Summary; Exercises; Chapter 5 Preparing to Use SAS Procedures; 5.1 Understanding SAS Support Statements
5.1.1 Using TITLE and FOOTNOTE Statements

Sommario/riassunto

A step-by-step introduction to using SAS® statistical software as a foundational approach to data analysis and interpretation. Presenting a straightforward introduction from the ground up, SAS® Essentials: Mastering SAS for Data Analytics, Second Edition illustrates SAS using hands-on learning techniques and numerous real-world examples. Keeping different experience levels in mind, the highly-qualified author team has developed the book over 20 years of teaching introductory SAS courses. Divided into two sections, the first part of the book provides an introduction to data manipulation,
