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Titolo	96 Common Challenges in Power Query : Practical Solutions for Mastering Data Transformation in Excel and Power BI / / by Omid Motamedisedeh
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Nota di contenuto	Chapter 1: Data Extraction from Files -- Chapter 2: Referencing -- Chapter 3: Sorting & Filtering -- Chapter 4: Column Splitting & Merging -- Chapter 5: Pivoting & Unpivoting Tables -- Chapter 6: Grouping Rows with Table.Group -- Chapter 7: Merging & Appending Tables -- Chapter 8: Handling Missing Values -- Chapter 9: Looping in Power Query -- Chapter 10: Leveraging Scripting and External Integrations in Power Query -- Chapter 11: Error Handling Strategies -- Chapter 12: Custom Functions.
Sommario/riassunto	This comprehensive guide is designed to address the most frequent and challenging issues faced by users of Power Query, a powerful data transformation tool integrated into Excel, Power BI, and Microsoft Azure. By tackling 96 real-world problems with practical, step-by-step solutions, this book is an essential resource for data analysts, Excel enthusiasts, and Power BI professionals. It aims to enhance your data transformation skills and improve efficiency in handling complex data sets. Structured into 12 chapters, the book covers specific areas of Power Query such as data extraction, referencing, column splitting and merging, sorting and filtering, and pivoting and unpivoting tables. You will learn to combine data from Excel files with varying column names, handle multi-row headers, perform advanced filtering, and manage missing values using techniques such as linear interpolation and K-nearest neighbors (K-NN) imputation. The book also dives into advanced Power Query functions such as Table.Group, List.Accumulate,

and List.Generate, explored through practical examples such as calculating running totals and implementing complex grouping and iterative processes. Additionally, it covers crucial topics such as error-handling strategies, custom function creation, and the integration of Python and R with Power Query. In addition to providing explanations on the use of functions and the M language for solving real-world challenges, this book discusses optimization techniques for data cleaning processes and improving computational speed. It also compares the execution time of functions across different patterns and proposes the optimal approach based on these comparisons. In today's data-driven world, mastering Power Query is crucial for accurate and efficient data processing. But as data complexity grows, so do the challenges and pitfalls that users face. This book serves as your guide through the noise and your key to unlocking the full potential of Power Query. You'll quickly learn to navigate and resolve common issues, enabling you to transform raw data into actionable insights with confidence and precision. What You Will Learn Master data extraction and transformation techniques for various Excel file structures Apply advanced filtering, sorting, and grouping methods to organize and analyze data Leverage powerful functions such as Table.Group, List.Accumulate, and List.Generate for complex transformations Optimize queries to execute faster Create and utilize custom functions to handle iterative processes and advanced list transformation Implement effective error-handling strategies, including removing erroneous rows and extracting error reasons Customize Power Query solutions to meet specific business needs and share custom functions across files .
