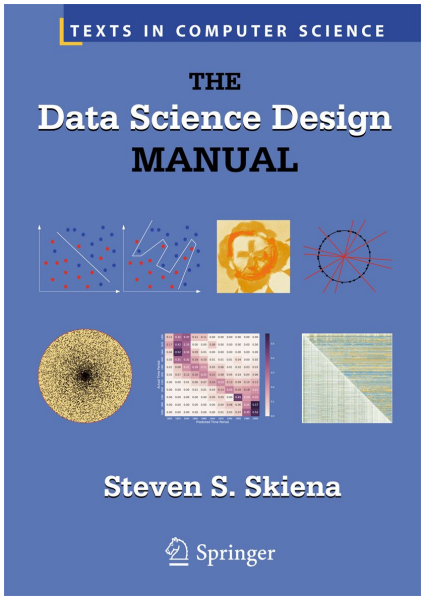

1st ed. 2017, XVII, 445 p. 180 illus., 137 illus. in color.

Printed book

Hardcover

ISBN 978-3-319-55443-3

- 52,99 € | £42.99
- *56,70 € (D) | 58,29 € (A) | CHF 62.50

S.S. Skiena

The Data Science Design Manual

Series: Texts in Computer Science

- Provides an introduction to data science, focusing on the fundamental skills and principles needed to build systems for collecting, analyzing, and interpreting data
- Lays the groundwork of what really matters in analyzing data; 'doing the simple things right'
- Aids the reader in developing mathematical intuition, illustrating the key concepts with a minimum of formal mathematics
- Highlights the core values of statistical reasoning using the approaches which come most naturally to computer scientists

This engaging and clearly written textbook/reference provides a must-have introduction to the rapidly emerging interdisciplinary field of data science. It focuses on the principles fundamental to becoming a good data scientist and the key skills needed to build systems for collecting, analyzing, and interpreting data.

The Data Science Design Manual is a source of practical insights that highlights what really matters in analyzing data, and provides an intuitive understanding of how these core concepts can be used. The book does not emphasize any particular programming language or suite of data-analysis tools, focusing instead on high-level discussion of important design principles.

This easy-to-read text ideally serves the needs of undergraduate and early graduate students embarking on an "Introduction to Data Science" course. It reveals how this discipline sits at the intersection of statistics, computer science, and machine learning, with a distinct heft and character of its own. Practitioners in these and related fields will find this book perfect for self-study as well.