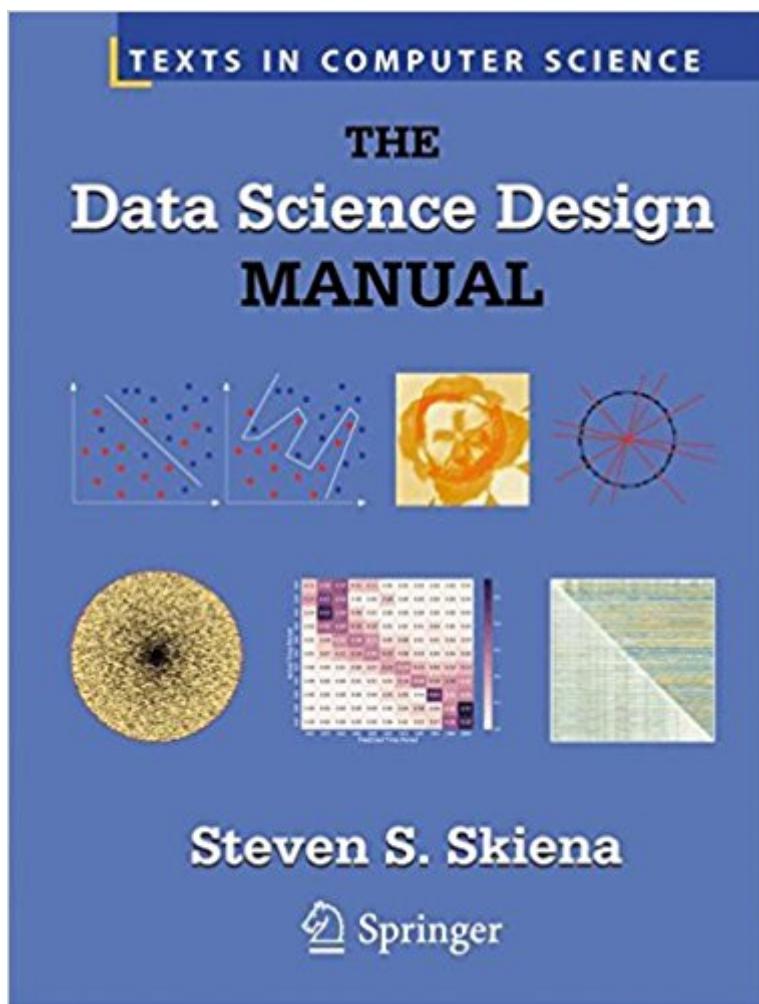The book was found

The Data Science Design Manual (Texts In Computer Science)

Synopsis

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 ManualÃ Â 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 Ã¢â ¬Å"Introduction to Data ScienceÃ¢â ¬Â• 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. Additional learning tools: Contains Ã¢â ¬Å"War Stories,Ã¢â ¬Â• offering perspectives on how data science applies in the real worldIncludes Ã¢â ¬Å"Homework Problems,Ã¢â ¬Â• providing a wide range of exercises and projects for self-studyProvides a complete set of lecture slides and online video lectures at www.data-manual.comProvides Ã¢â ¬Å"Take-Home Lessons,Ã¢â ¬Â• emphasizing the big-picture concepts to learn from each chapterRecommends exciting Ã¢â ¬Å"Kaggle ChallengesÃ¢â ¬Â• from the online platform KaggleHighlights Ã¢â ¬Å"False Starts,Ã¢â ¬Â• revealing the subtle reasons why certain approaches failOffers examples taken from the data science television show Ã¢â ¬Å"The Quant ShopÃ¢â ¬Â•Ã Â (www.quant-shop.com)

Book Information

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Customer Reviews

Dr. Steven S. Skiena is Distinguished Teaching Professor of Computer Science at Stony Brook University, with research interests in data science, natural language processing, and algorithms. He was awarded the IEEE Computer Science and Engineering Undergraduate Teaching Award Ã¢â ¬Å"for outstanding contributions to undergraduate education ...and for influential textbooks and software.Ã¢â ¬Â·Ã Â Dr. Skiena is the author of six books, including the popular Springer titles The Algorithm Design Manual and Programming Challenges: The Programming Contest Training Manual.

I love this book.This book is for beginners in the field. It well organized with many examples, intuition explanations and without math proofs and code examples

I am very pleased with the presentation of material in this book. Currently I am reading the review section on Linear Algebra and (having taken a course in the subject in the past) I have found many nice intuitions which were never presented in a more formal and comprehensive treatment.I am sure that I will continue to find such illuminating expositions on the remainder of the topics in this book.I am looking forward to the class next semester at SBU taught by the author which I am enrolled in.

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