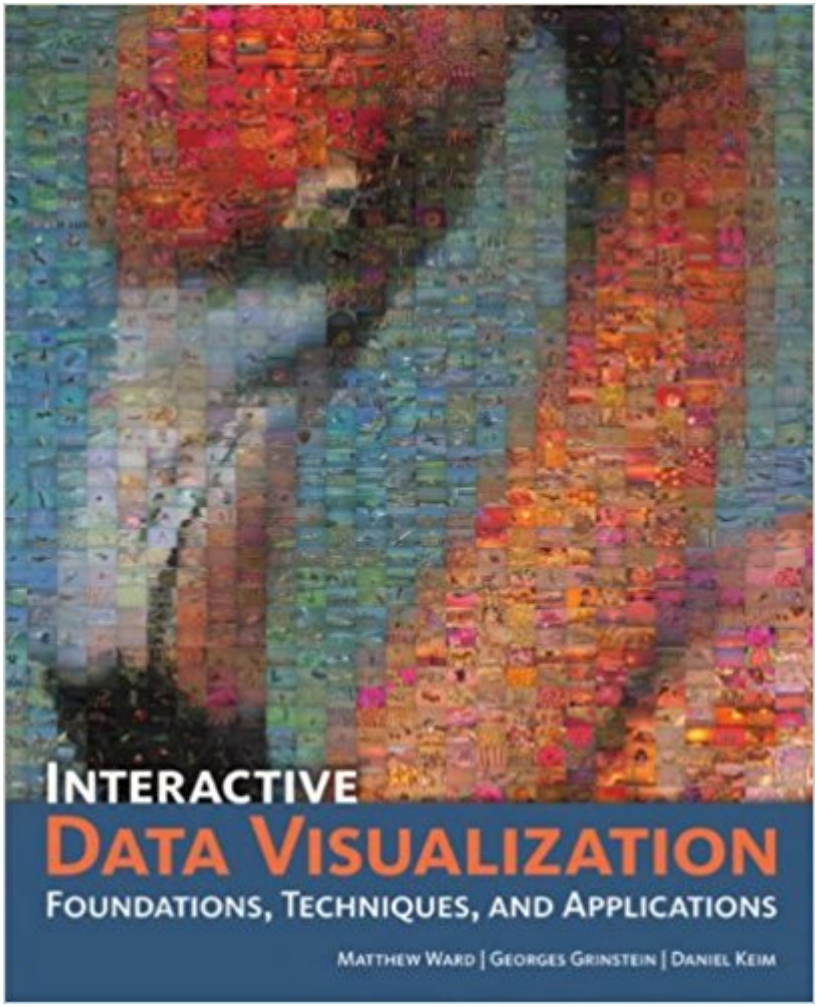
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Interactive Data Visualization: Foundations, Techniques, And Applications (360 Degree Business)



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Synopsis

Visualization is the process of representing data, information, and knowledge in a visual form to support the tasks of exploration, confirmation, presentation, and understanding. This book is designed as a textbook for students, researchers, analysts, professionals, and designers of visualization techniques, tools, and systems. It covers the full spectrum of the field, including mathematical and analytical aspects, ranging from its foundations to human visual perception; from coded algorithms for different types of data, information and tasks to the design and evaluation of new visualization techniques. Sample programs are provided as starting points for building one's own visualization tools. Numerous data sets have been made available that highlight different application areas and allow readers to evaluate the strengths and weaknesses of different visualization methods. Exercises, programming projects, and related readings are given for each chapter. The book concludes with an examination of several existing visualization systems and projections on the future of the field.

Book Information

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Customer Reviews

Had to get this overpriced book for an Info Viz class. Be aware that this book is much more of a technical book than a design book. There's a ton of information contained in here, but I also found a surprising amount of quality issues.First, the flow of the book seems completely off, diving into highly technical material in the second chapter, then pulling back into high level concepts in later chapters. Also, many of the images are not of the quality I would expect from a text book. Many are blurry or scaled inappropriately, given the amount of detail they contain. Finally, there are some glaring mistakes in the copy. For instance, at the end of one section of the book, placeholder notes from the authors of what should be written is included instead of the actual final copy! Where's the editor? Was it rushed to print?Given the price, I expected a much higher level of quality. Despite the problems listed above, the text could be useful resource for anyone interested in the nuts and bolts of data visualization.

Comprehensive textbook of visualization, but way too technical to anyone who is not an expert in computer science.

Too expensive, not worth it.

College-level collections strong in concepts and theory surrounding data visualization will find INTERACTIVE DATA VISUALIZATION: FOUNDATIONS, TECHNIQUES, AND APPLICATIONS to be a powerful addition, covering all the details and tools needed for building visualizations around data. From math and statistical graphs to cartography and scientific displays, this offers plenty of details for creating visual displays of data, offering color illustrations throughout and plenty of refinement details.

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