Visualization Analysis and Design (AK Peters Visualization Series) PDF
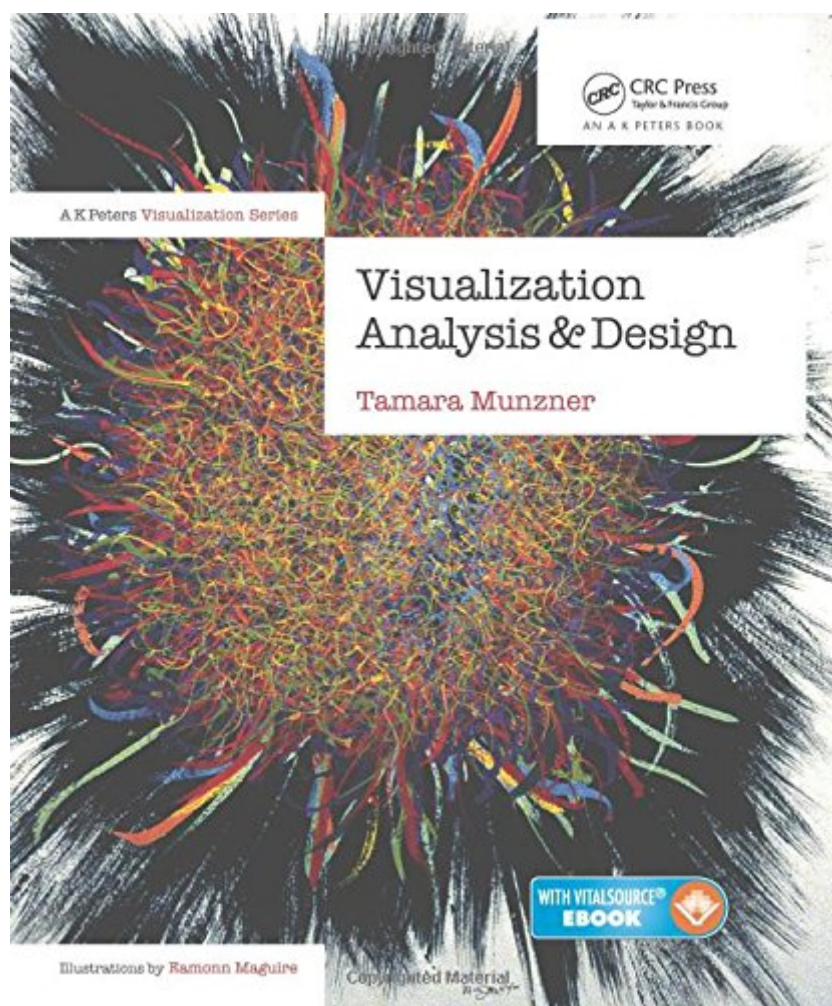

Visualization Analysis and Design (AK Peters Visualization Series) by Tamara Munzner ISBN 1466508914

Learn How to Design Effective Visualization Systems

Visualization Analysis and Design provides a systematic, comprehensive framework for thinking about visualization in terms of principles and design choices. The book features a unified approach encompassing information visualization techniques for abstract data, scientific visualization techniques for spatial data, and visual analytics techniques for interweaving data transformation and analysis with interactive visual exploration. It emphasizes the careful validation of effectiveness and the consideration of function before form.

The book breaks down visualization design according to three questions: *what* data users need to see, *why* users need to carry out their tasks, and *how* the visual representations proposed can be constructed and manipulated. It walks readers through the use of space and color to visually encode data in a view, the trade-offs between changing a single view and using multiple linked views, and the ways to reduce the amount of data shown in each view. The book concludes with six case studies analyzed in detail with the full framework.

The book is suitable for a broad set of readers, from beginners to more experienced visualization designers. It does not assume any previous experience in programming, mathematics, human–computer interaction, or graphic design and can be used in an introductory visualization course at the graduate or undergraduate level.

Visualization Analysis and Design (AK Peters Visualization Series) Review

This Visualization Analysis and Design (AK Peters Visualization Series) book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This kind of Visualization Analysis and Design (AK Peters Visualization Series) without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't be worry Visualization Analysis and Design (AK Peters Visualization Series) can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it inside your lovely laptop even cell phone. This Visualization Analysis and Design (AK Peters Visualization Series) having great arrangement in word and layout, so you will not really feel uninterested in reading.