

# Designing Better Maps A Guide For Gis Users

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Designed Maps - Cynthia A. Brewer 2008  
This sequel to the highly successful Designing Maps, offers a graphics-intensive

presentation of published maps, providing cartographic examples that GIS users can then adapt for their own needs. Each chapter

characterizes a common design decision and includes a demonstration map, which is annotated with specific information needed to reproduce the design, such as text fonts, sizes and styles; line weights, colors, and patterns; marker symbol fonts, sizes, and colors; and fill colors and patterns. Visual hierarchies and the purpose of each map are considered with the audience in mind, drawing a clear connection between intent and design. The book also includes a valuable task index that explains what ArcGIS 9 tools to use for desired cartographic effects. From experienced cartographers to those who make GIS maps only occasionally, all GIS users will find this book to be an indispensable resource. *Cartographer's Toolkit* -

Gretchen Peterson 2012  
*Cartographer's Toolkit* is like a big cheat-sheet for cartography. Its three chapters: Colors, Typography, and Composition Patterns build from individual map components to cohesive cartographic constructions. Each chapter begins with a brief introduction explaining relevant theory, key definitions, and usage suggestions. The pages that follow each introduction provide an abundance of visual demonstrations that are the basis for the tools in the toolkit. The book contains: Colors: 30 color palettes of 10 colors each, in 3 categories: coordinated palettes, color ramps, and differentiated; Typography: 50 typefaces showcased in 3 categories: standard, free, and for-fee; and Composition Patterns: 28

patterns, illustrated with 36 maps by many of today's leading cartographers. Here you will find design tools for the advanced cartographer-and those who wish to become advanced cartographers-for producing the high-level static and interactive maps required in our current innovative environment. The information presented in this book, along with the more fundamental cartography theory in the author's first book, GIS Cartography: A Guide to Effective Map Design, equips cartographers with the tools they need to perform at the top of the map making field, producing maps that are informative, inspired, and original. "Cartographer's Toolkit is an excellent new book. It focuses on real-world solutions rather than cartographic

theory, and is full of ideas that will inspire new approaches and creative solutions for cartographers. I love the book's clean, accessible, no-nonsense approach." -Allen Carroll, Former Chief Cartographer at National Geographic, Esri "For any geo technology professional, would-be cartographer, and mapping aficionado, Cartographer's Toolkit is a must-have. You'll get hooked on the amazing examples, sample maps, and images that are used throughout." - Glenn Letham, Editor, GISuser.com "A book full of little cartographic nuggets." -Clint Brown, Director of Software Products, Esri Gretchen N. Peterson is the owner of the geospatial analysis firm PetersonGIS, which creates custom solutions for clients in the natural resources field

and produces cartography products. Peterson is also the author of "GIS Cartography: A Guide to Effective Map Design," CRC Press, April 2009. Peterson writes a cartography blog at [www.gretchenpeterson.com/blog](http://www.gretchenpeterson.com/blog), is on the application review committee for the GIS Certification Institute, is a co-founder of Ignite Spatial Northern Colorado, and publishes technical articles in leading geo media outlets and on [www.petersongis.com](http://www.petersongis.com). Peterson lives in Fort Collins, Colorado.

**The ESRI Guide to GIS Analysis: Geographic patterns & relationships**

- Andy Mitchell 1999  
Backed by the collective knowledge and expertise of the worlds leading Geographic Information Systems company, this volume presents the concepts and methods unleashing the full

analytic power of GIS.  
**This Is Not an Atlas** -  
kollektiv orangotango+  
2018-11-30

This Is Not an Atlas gathers more than 40 counter-cartographies from all over the world. This collection shows how maps are created and transformed as a part of political struggle, for critical research or in art and education: from indigenous territories in the Amazon to the anti-eviction movement in San Francisco; from defending commons in Mexico to mapping refugee camps with balloons in Lebanon; from slums in Nairobi to squats in Berlin; from supporting communities in the Philippines to reporting sexual harassment in Cairo. This Is Not an Atlas seeks to inspire, to document the underrepresented, and to be a useful companion when becoming a counter-

cartographer yourself.

**Map Librarianship** -

Susan Elizabeth Ward

Aber 2016-11-04

Map Librarianship

identifies basic geoliteracy concepts and enhances reference and instruction skills by providing details on finding, downloading, delivering, and assessing maps, remotely sensed imagery, and other geospatial resources and services, primarily from trusted government sources. By offering descriptions of traditional maps, geographic information systems (GIS), remote sensing, and other geospatial technologies, the book provides a timely and practical guide for the map and geospatial librarian to blend confidence in traditional library skill sets. Includes rarely discussed concepts of citing and referencing maps and

geospatial data, fair use and copyright

Creates an awareness and appreciation of existing

print map collections, while building digital

stewardship with surrogate map and aerial imagery collections

Provides an introduction to the theory and applications of GIS,

remote sensing, participatory

neogeography and neocartography

practices, and other geospatial technologies

Includes a list of geospatial resources

with descriptions and illustrations of

commonly used map types and formats, online

geospatial data sources, and an introduction to

the most commonly used geospatial software

packages available, on both desktop and mobile

platforms

**Mister Jiu's in**

**Chinatown** - Brandon Jew

2021-03-09

The acclaimed chef behind the Michelin-starred Mister Jiu's restaurant shares the past, present, and future of Chinese cooking in America through 90 mouthwatering recipes. "Brandon Jew's affection for San Francisco's Chinatown and his own Chinese heritage is palpable in this cookbook, which is both a recipe collection and a portrait of a district rich in history."—Fuchsia Dunlop, James Beard Award-winning author of *The Food of Sichuan*

Brandon Jew trained in the kitchens of California cuisine pioneers and Michelin-starred Italian institutions before finding his way back to Chinatown and the food of his childhood. Through deeply personal recipes and stories about the neighborhood that often inspires

them, this groundbreaking cookbook is an intimate account of how Chinese food became American food and the making of a Chinese American chef. Jew takes inspiration from classic Chinatown recipes to create innovative spins like Sizzling Rice Soup, Squid Ink Wontons, Orange Chicken Wings, Liberty Roast Duck, Mushroom Mu Shu, and Banana Black Sesame Pie. From the fundamentals of Chinese cooking to master class recipes, he interweaves recipes and techniques with stories about their origins in Chinatown and in his own family history. And he connects his classical training and American roots to Chinese traditions in chapters celebrating dim sum, dumplings, and banquet-style parties. With more than a hundred photographs of finished dishes as well as moving

and evocative atmospheric shots of Chinatown, this book is also an intimate portrait—a look down the alleyways, above the tourist shops, and into the kitchens—of the neighborhood that changed the flavor of America.

**Why North is Up** - Mick Ashworth 2019

Many people have a love of maps. But what lies behind the process of map-making? How have cartographers through the centuries developed their craft and established a language of maps which helps them to better represent our world and help users to understand it? This book tells the story of how widely accepted mapping conventions originated and evolved--from map orientation, projections, typography, and scale, to the use of color, symbols, ways of representing relief, and

the treatment of boundaries and place names. It charts the fascinating story of how conventions have changed in response to new technologies and ever-changing mapping requirements, how symbols can be a matter of life or death, why universal acceptance of conventions can be difficult to achieve, and how new mapping conventions are developing to meet the needs of modern cartography. Why North is Up offers an accessible and enlightening guide to the sometimes hidden techniques of map-making through the centuries.

*The GIS Guide to Public Domain Data* - Joseph J. Kerski 2012

Readers will understand how to find, evaluate, and analyze data to solve location-based problems. This guide covers practical issues

such as copyrights, cloud computing, online data portals, volunteered geographic information, and international data with supplementary exercises.

Worldly Consumers -

Genevieve Carlton

2015-06-22

This book focuses on how inexpensive maps, produced for the masses, accrued cultural value for everyday consumers in Renaissance Italy, who wanted to own and display maps in their homes as works of art not for practical use, but for their cultural capital as commodities.

Genevieve Carlton considers how and why maps took on this new identity, as coveted and revered material objects and symbols of status and power, which in turn elevated or reinforced the public personae of their owners. She reconstructs the market for maps by examining

household inventories as well as the ways in which maps were displayed in the interiors of Renaissance homes. Her survey shows that consumers from every level of society owned and displayed maps and used them for personal gain, to reinforce a particular identity."

Designing Better Maps -

Cynthia A. Brewer 2005

Malnutrition is still haunting million of children worldwide.

Adding US\$10.3 billion to current efforts would benefit 360 million children worldwide and prevent 1.1 million child deaths. Since early childhood is a particularly critical development stage, investments ought to focus the pre-pregnancy phase until two years of age.

Visualize This - Nathan

Yau 2011-06-13

Practical data design



tips from a data visualization expert of the modern age. Data doesn't decrease; it is ever-increasing and can be overwhelming to organize in a way that makes sense to its intended audience. Wouldn't it be wonderful if we could actually visualize data in such a way that we could maximize its potential and tell a story in a clear, concise manner? Thanks to the creative genius of Nathan Yau, we can. With this full-color book, data visualization guru and author Nathan Yau uses step-by-step tutorials to show you how to visualize and tell stories with data. He explains how to gather, parse, and format data and then design high quality graphics that help you explore and present patterns, outliers, and relationships.

Presents a unique approach to visualizing and telling stories with data, from a data visualization expert and the creator of [flowingdata.com](http://flowingdata.com), Nathan Yau. Offers step-by-step tutorials and practical design tips for creating statistical graphics, geographical maps, and information design to find meaning in the numbers. Details tools that can be used to visualize data-native graphics for the Web, such as ActionScript, Flash libraries, PHP, and JavaScript and tools to design graphics for print, such as Rand Illustration. Contains numerous examples and descriptions of patterns and outliers and explains how to show them. Visualize This demonstrates how to explain data visually so that you can present your

information in a way that is easy to understand and appealing.

*Thematic Mapping* -

Kenneth Field 2022-03-29

Thematic Mapping: 101

Inspiring Ways to

Visualise Empirical Data

explores the rich diversity of thematic mapping using a single dataset from the 2016 US presidential election.

### **Map-Based Mobile**

**Services** - Liqiu Meng  
2005

The book is divided into three parts: theory, method and implementation. Starting with a summary of the state-of-the-art in mobile technologies, the first part analyses their impacts on cartography and pinpoints the missing theories concerned with the development of map-based mobile services. A conceptual framework of mobile cartography is then introduced with the

emphasis on mobile usage context. The second part is devoted to the design methodology under the constraints defined in the theoretical framework. A core issue deals with personalised mobile map services. The final part demonstrates the feasibility of the methods by using application scenarios. The accompanying CD-ROM contains the PDF-Files in colour.

*Modeling Our World* -

Michael Zeiler 1999

Geographic data models are digital frameworks that describe the location and

characteristics of things in the world around us. With a geographic information system, we can use these models as lenses to see, interpret, and analyze the infinite complexity of our natural and man-made environments. With the geodatabase, a new geographic data model

introduced with ArcInfo 8, you can extend significantly the level of detail and range of accuracy with which you can model geographic reality in a database environment.

Semiology of Graphics - Jacques Bertin 2011  
Information processing entails comprehensivity. Communication involves simplification

Introduction to Geospatial Technologies - Bradley Shellito 2018-03-15

Written for both majors and non-majors alike, Introduction to Geospatial Technologies demonstrates the wide range of geographic technologies available to and used by geographers today. Each chapter contains an introduction to the key concepts and a lab activity, so that in addition to gaining a basic foundation of knowledge students also

obtain hands-on experience with the relevant software. This new edition stays current with its rapidly moving field, with coverage and lab activities revised to reflect is the most up-to-date ideas and innovations in GST.

Connections and Content - Mark Monmonier 2019-08-30

Cartographic cogitator Mark Monmonier shares his insights about the relationships between networks and maps in a collection of essays.

**The Routledge Handbook of Mapping and Cartography** - Alexander J. Kent 2017-10-04

This new Handbook unites cartographic theory and praxis with the principles of cartographic design and their application. It offers a critical appraisal of the current state of the art, science, and technology

of map-making in a convenient and well-illustrated guide that will appeal to an international and multi-disciplinary audience. No single-volume work in the field is comparable in terms of its accessibility, currency, and scope. The Routledge Handbook of Mapping and Cartography draws on the wealth of new scholarship and practice in this emerging field, from the latest conceptual developments in mapping and advances in map-making technology to reflections on the role of maps in society. It brings together 43 engaging chapters on a diverse range of topics, including the history of cartography, map use and user issues, cartographic design, remote sensing, volunteered geographic information (VGI), and map art. The title's expert contributions are

drawn from an international base of influential academics and leading practitioners, with a view to informing theoretical development and best practice. This new volume will provide the reader with an exceptionally wide-ranging introduction to mapping and cartography and aim to inspire further engagement within this dynamic and exciting field. The Routledge Handbook of Mapping and Cartography offers a unique reference point that will be of great interest and practical use to all map-makers and students of geographic information science, geography, cultural studies, and a range of related disciplines.

**Cartography** - Borden D. Dent 1999

"This introductory textbook introduces

students to the different types of map projections, map design, and map production." - Amazon.com.

### **Mapping with ArcGIS Pro**

- Amy Rock 2018-03-08

Implementing the ArcGIS Pro technique to design accurate, user friendly maps and making appropriate cartographic decisions Key Features - Build visually stunning and useful maps; - Understand the cartographic workflows and the decisions you must take before creating the map; - Learn to create appropriate map elements and layout designs -Use the ArcGIS Online's Smart Mapping technique to create clear webmaps Book Description ArcGIS Pro is a geographic information system for working with maps and geographic information. This book will help you create visually stunning maps that increase the

legibility of the stories being mapped and introduce visual and design concepts into a traditionally scientific, data-driven process. The book begins by outlining the steps of gathering data from authoritative sources and lays out the workflow of creating a great map. Once the plan is in place you will learn how to organize the Contents Pane in ArcGIS Pro and identify the steps involved in streamlining the production process. Then you will learn Cartographic Design techniques using ArcGIS Pro's feature set to organize the page structure and create a custom set of color swatches. You will be then exposed to the techniques required to ensure your data is clear and legible no matter the size or scale of your map. The later

chapters will help you understand the various projection systems, trade-offs between them, and the proper applications of them to make sure your maps are accurate and visually appealing. Finally, you will be introduced to the ArcGIS Online ecosystem and how ArcGIS Pro can utilize it within the application. You will learn Smart Mapping, a new feature of ArcGIS Online that will help you to make maps that are visually stunning and useful. By the end of this book, you will feel more confident in making appropriate cartographic decisions. What you will learn - Using ArcGIS Pro to create visually stunning maps and make confident cartographic decisions - Leverage precise layout grids that will organize and guide the placement of map elements - Make

appropriate decisions about color and symbols

- Critically evaluate and choose the perfect projection for your data
- Create clear webmaps that focus the reader's attention using ArcGIS Online's Smart Mapping capabilities

Who this book is for If you are a GIS analyst or a Map designer who would like to create and design a map with ArcGIS Pro then this book is for you. A basic GIS knowledge is assumed.

**Sam the Landscape Architect** - Madeline Peck 2020-10-06

Sam loves to design things! She plans to be a landscape architect. Follow along as she designs parks, gardens, and more to improve her community. Part of a STEAM career-themed picture book series.

**Essentials of Geographic Information Systems** - Michael Edward Shin 2018

**ESRI Map Book** -  
Environmental Systems  
Research Institute  
(Redlands, Calif.) 2005  
From Asia to Africa and  
around the globe,  
researchers and analysts  
are tapping GIS  
technology as a large  
framework to efficiently  
and effectively solve  
common problems such as  
population growth,  
resource consumption and  
pollution. They are  
using GIS to coordinate  
these activities to be  
more sustainable and  
more participatory.  
Designing Geodatabases -  
David Arctur 2004  
"Building accurate  
geodatabases is the  
foundation for  
meaningful and reliable  
GIS. By documenting  
actual case studies of  
successful ArcGIS  
implementations,  
Designing Geodatabases  
makes it easier to  
envision your own  
database plan."--Jacket.  
*Map Use* - Phillip

Muehrcke 1992

*Cool Infographics* -  
Randy Krum 2013-10-18  
Make information  
memorable with creative  
visual design techniques  
Research shows that  
visual information is  
more quickly and easily  
understood, and much  
more likely to be  
remembered.  
This innovative book  
presents the design  
process and the best  
software tools for  
creating infographics  
that communicate.  
Including a special  
section on how to  
construct the  
increasingly  
popular infographic  
resume, the book offers  
graphic designers,  
marketers, and business  
professionals vital  
information on the most  
effective ways to present  
data. Explains why  
infographics and data  
visualizations work  
Shares the tools and

techniques for creating great infographics Covers online infographics used for marketing, including social media and search engine optimization (SEO) Shows how to market your skills with a visual, infographic resume Explores the many internal business uses of infographics, including board meeting presentations, annual reports, consumer research statistics, marketing strategies, business plans, and visual explanations of products and services to your customers With Cool Infographics, you'll learn to create infographics to successfully reach your target audience and tell clear stories with your data.

**Cartography** - Kenneth Field 2018  
Winner of the 2019

International Cartographic Conference - Educational Products award: A comprehensive, one-stop-shop cartography guide, Cartography. serves as a reference and an inspiration for anyone who is required to make a map, but it does so using a modern visual style.

Designing Better Maps - Cynthia A. Brewer 2016  
Designing Better Maps: A Guide for GIS Users, second edition, breaks down the myriad decisions involved in creating maps that communicate effectively. The second edition includes updated material and a new chapter on map publishing.

User Story Mapping - Jeff Patton 2014-09-05  
User story mapping is a valuable tool for software development, once you understand why and how to use it. This



insightful book examines how this often misunderstood technique can help your team stay focused on users and their needs without getting lost in the enthusiasm for individual product features. Author Jeff Patton shows you how changeable story maps enable your team to hold better conversations about the project throughout the development process. Your team will learn to come away with a shared understanding of what you're attempting to build and why. Get a high-level view of story mapping, with an exercise to learn key concepts quickly. Understand how stories really work, and how they come to life in Agile and Lean projects. Dive into a story's lifecycle, starting with opportunities and moving deeper into discovery

Prepare your stories, pay attention while they're built, and learn from those you convert to working software  
Ground Truth - John Pickles 1995-01-01  
Professionals who work with grieving families, including psychiatrists, psychologists, social workers, family therapists, physicians and nurses who work with dying patients and their families, hospice and patient home-care workers, clergy. The book also serves as a text in courses on bereavement, family development, family and child therapy, and child developmental psychopathology.

**How Maps Work** - Alan M. MacEachren 2004-06-21  
Now available in paperback for the first time, this classic work presents a cognitive-semiotic framework for understanding how maps work as powerful,

abstract, and synthetic spatial representations. Explored are the ways in which the many representational choices inherent in mapping interact with information processing and knowledge construction, and how the resulting insights can be used to make informed symbolization and design decisions. A new preface to the paperback edition situates the book within the context of contemporary technologies. As the nature of maps continues to evolve, Alan MacEachren emphasizes the ongoing need to think systematically about the ways people interact with and use spatial information.

**Mapping by Design** - Sarah Bell 2021-11-16  
Mapping by Design: A Guide to ArcGIS Maps for Adobe Creative Cloud serves as a practical

guide for all mapmakers who want to create compelling maps using Adobe(R) Illustrator(R).

**Principles of Map Design** - Judith A. Tyner 2017-09-12  
This authoritative, reader-friendly text presents core principles of good map design that apply regardless of production methods or technical approach. The book addresses the crucial questions that arise at each step of making a map: Who is the audience? What is the purpose of the map? Where and how will it be used? Students get the knowledge needed to make sound decisions about data, typography, color, projections, scale, symbols, and nontraditional mapping and advanced visualization techniques. Pedagogical Features: \*Over 200 illustrations (also available at the

companion website as PowerPoint slides), including 23 color plates \*Suggested readings at the end of each chapter.

\*Recommended Web resources. \*Instructive glossary

### **The ArcGIS Book -**

Christian Harder 2017

This is a hands-on book about ArcGIS that you work with as much as read. By the end, using Learn ArcGIS lessons, you'll be able to say you made a story map, conducted geographic analysis, edited geographic data, worked in a 3D web scene, built a 3D model of Venice, and more.

### *GIS Cartography -*

Gretchen N. Peterson  
2020-11-24

This enhanced eBook version is equipped with videos and pop-up explanations to extend the reader's experience on essential cartographic design

topics and to make the reading experience more enjoyable and more effective. The 16 videos placed throughout the text will demonstrate some highly complex map design issues to help understand and visualize the task at hand and show how to achieve the best results following the author's instructions. Pop-up explanations of selected concepts are also placed throughout the text to help readers refresh their knowledge and better understand the map design process. All chapters are richly illustrated with color and include practical exercises and questions. Lindsey the GIS Professional - Tyler Danielson 2020-05-19  
Lindsey loves mapping! Follow along as she collects information about the world around her to make a map of her favorite park. The first

in a STEAM career-themed picture book series, Lindsey the GIS Professional describes what geographic information systems (GIS) means, what information is needed to make a map, and how to collect that information. Then Lindsey shows how to take all that information to create a map of her favorite park. Perfect for encouraging spatial thinking! For grades 1-5. Includes a glossary.

**How to Lie with Maps** - Mark Monmonier

2014-12-10

Originally published to wide acclaim, this lively, cleverly illustrated essay on the use and abuse of maps teaches us how to evaluate maps critically and promotes a healthy skepticism about these easy-to-manipulate models of reality.

Monmonier shows that, despite their immense value, maps lie. In fact, they must. The second edition is updated with the addition of two new chapters, 10 color plates, and a new foreword by renowned geographer H. J. de Blij. One new chapter examines the role of national interest and cultural values in national mapping organizations, including the United States Geological Survey, while the other explores the new breed of multimedia, computer-based maps. To show how maps distort, Monmonier introduces basic principles of mapmaking, gives entertaining examples of the misuse of maps in situations from zoning disputes to census reports, and covers all the typical kinds of distortions from deliberate

oversimplifications to the misleading use of color. "Professor Monmonier himself knows how to gain our attention; it is not in fact the lies in maps but their truth, if always approximate and incomplete, that he wants us to admire and use, even to draw for ourselves on the facile screen. His is an artful and funny book, which like any good map, packs plenty in little space."—Scientific American "A useful guide to a subject most people probably take too much for granted. It shows how map makers translate abstract data into eye-catching cartograms, as they are called. It combats cartographic illiteracy. It fights cartophobia. It may even teach you to find your way. For that alone, it seems worthwhile."—Christopher Lehmann-Haupt, The New

York Times ". . . witty examination of how and why maps lie. [The book] conveys an important message about how statistics of any kind can be manipulated. But it also communicates much of the challenge, aesthetic appeal, and sheer fun of maps. Even those who hated geography in grammar school might well find a new enthusiasm for the subject after reading Monmonier's lively and surprising book."—Wilson Library Bulletin "A reading of this book will leave you much better defended against cheap atlases, shoddy journalism, unscrupulous advertisers, predatory special-interest groups, and others who may use or abuse maps at your expense."—John Van Pelt, Christian Science Monitor "Monmonier meets his goal admirably. . . . [His] book should be put on every map user's

'must read' list. It is informative and readable . . . a big step forward in helping us to understand how maps can mislead their readers."—Jeffrey S. Murray, Canadian Geographic

*Choosing a Map*

*Projection* - Miljenko Lapaine 2017-04-04

This book offers a much-needed critical approach to the intelligent use of the wide variety of map projections that are rapidly and inexpensively available today. It also discusses the distortions that are immanent in any map projection. A well-chosen map projection is one in which extreme distortions are smaller than those in any other projection used to map the same area and in which the map properties match its purpose. Written by leading experts in the field, including W. Tobler,

F.C. Kessler, S.E. Battersby, M.P. Finn, K.C. Clarke, V.S. Tikunov, H. Hargitai, B. Jenny and N. Frančula. This book is designed for use by laymen. The book editors are M. Lapaine and E.L. Usery, Chair and Vice-Chair, respectively, of the ICA Commission on Map Projections for the period 2011-2015.

**GIS Cartography** -

Gretchen N. Peterson

2014-05-23

In the five years since the publication of the first edition of *A Guide to Effective Map Design*, cartography and software have become further intertwined. However, the initial motivation for publishing the first edition is still valid: many GISers enter the field without so much as one hour of design instruction in their formal education. Yet they are then tasked with creating one the

most effective, easily recognized communication tools: a map. See What's New in the Second Edition Projection theory Hexagonal binning Big Data point density maps Scale dependent map design 3D building modeling Digital cartography and its best practices Updated graphics and references Study questions and lab exercises at the end of each chapter In this second edition of a bestseller, author Gretchen Peterson takes a "don't let the technology get in the way" approach to the presentation, focusing on the elements of good design, what makes a good map, and how to get there, rather than specific software tools. She provides a reference that you can thumb through time and again as you create your maps. Copiously illustrated, the second edition

explores novel concepts that kick-start your pursuit of map-making excellence. The book doesn't just teach you how to design and create maps, it teaches you how to design and create better maps.

*Web Cartography* - Ian Muehlenhaus 2013-12-10 Web mapping technologies continue to evolve at an incredible pace. Technology is but one facet of web map creation, however. Map design, aesthetics, and user-interactivity are equally important for effective map communication. From interactivity to graphical user interface design, from symbolization choices to animation, and from layout to typeface and color selection, *Web Cartography* offers the first comprehensive overview and guide for designing beautiful and effective web maps for a

variety of devices. Written for those with a basic understanding of mapmaking, but who may not have an in-depth knowledge of web design, this book explains how to create effective interaction, animation, and layouts for maps in online and mobile platforms. Concept-driven, this reference emphasizes cartographic principles for web and mobile map design over specific software techniques. It focuses on key design concepts that will remain true regardless of software technologies used. The book is supplemented with a website providing links to stellar web

maps, video tutorials and lectures, do-it-yourself labs, map critique exercises, and links to others' tutorials. Approachable, clear, and concise, the book provides a nontechnical, approachable guide to map design for the web. It provides best practices for map communication, based on spatial data visualization and graphic design theory. By carefully avoiding overly technical jargon, it provides a solid launching pad from which students, practitioners, and innovators can begin to design aesthetically pleasing and intuitive web maps.