



Esri Press Catalog

2013–2014



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About Esri Press

Esri Press publishes books about the science, application, and technology of geographic information systems (GIS). Using the latest software and data from Esri, the world leader in GIS technology, Esri Press books are ideal for both individual study and classroom and lab settings. Esri Press supports the global community with publications that advance geographic understanding, literacy, and learning in all endeavors, including education, business, government, and health care.

Contact Information

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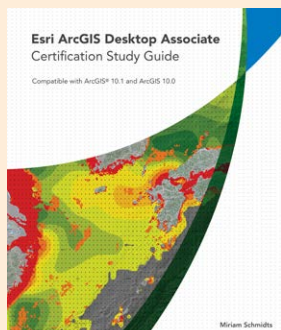
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Check out what's new from Esri Press.

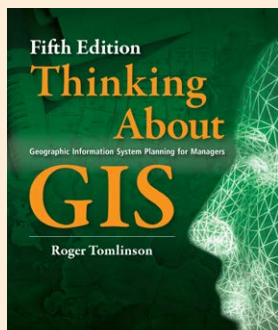
ArcGIS Users



Esri ArcGIS Desktop Associate Certification Study Guide

Prepare for Esri's ArcGIS® Desktop Associate Certification exam with this comprehensive workbook. Learn more on page 2.

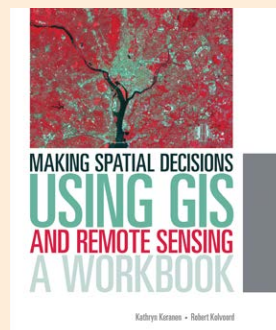
GIS Learners



Thinking About GIS: Geographic Information Planning for Managers, Fifth Edition

Learn about current GIS tech trends and watch Dr. Roger Tomlinson's seminal planning seminar with this new edition. Learn more on page 3.

Higher Education



Making Spatial Decisions Using GIS and Remote Sensing: A Workbook

Teach your students image processing and analysis skills through guided activities and independent projects using ArcGIS 10.1 for Desktop. Learn more on page 3.

The GIS 20:

Essential Skills, Second Edition

Gina Clemmer

The GIS 20: Essential Skills presents step-by-step instructions, illustrations, and practical tips on how to perform the top 20 skills needed to successfully use a geographic information system (GIS). These skills include finding and editing data, querying GIS maps, creating reports, and sharing and publishing your maps. The second edition offers nine bonus topics to further advance your skills, exercise data on the accompanying DVD, and ArcGIS 10.1 for Desktop software (180-day use) to work through the exercises.

ISBN: 9781589483224

Part Number: 126990

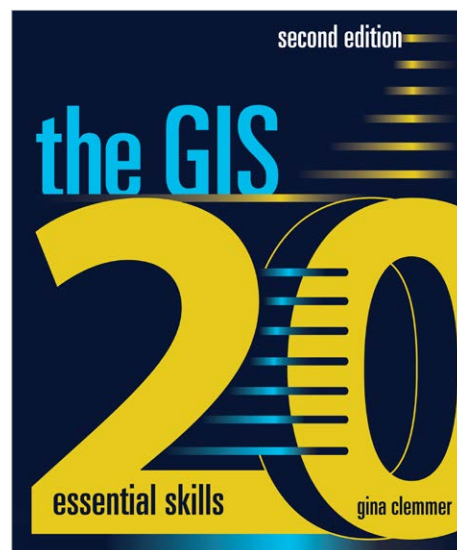
204 pages

7.5 x 9 inches

Paperback

August 2013

\$49.95 USD



Esri ArcGIS Desktop Associate Certification Study Guide

Miriam Schmidts

The *Esri ArcGIS Desktop Associate Certification Study Guide* is a comprehensive review of the GIS skills and knowledge measured in the ArcGIS Desktop Associate certification exam. This easy-to-use study guide provides the following:

- Overviews of essential ArcGIS for Desktop tools and workflows to strengthen your skills
- Step-by-step exercises to reinforce what you've learned
- Challenge questions to test your knowledge

The *Esri ArcGIS Desktop Associate Certification Study Guide* includes a 180-day trial of ArcGIS 10.1 for Desktop Advanced software and ArcGIS 10 for Desktop (ArcEditor™) software and a DVD containing data for working through the exercises.

ISBN: 9781589483514

Part Number: 134343

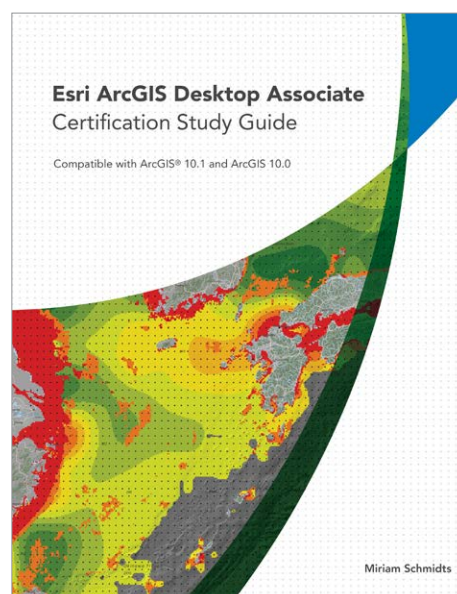
392 pages

8.5 x 11 inches

Paperback

September 2013

\$79.95 USD



Thinking About GIS:

Geographic Information System Planning for Managers, Fifth Edition

Dr. Roger Tomlinson

Thinking About GIS: Geographic Information System Planning for Managers presents a planning model for designing data and technology systems that will meet any organization's specific needs. Designed for two primary audiences, senior managers who oversee information technologies and technical specialists responsible for system design, this book provides a common platform on which to conduct GIS planning.

The fifth edition reflects the latest trends in geospatial technology and includes updated case studies. Exercises from Roger Tomlinson's course Planning for a GIS and a video of the Planning and Managing a GIS seminar from the 2012 Esri International User Conference are included on the accompanying DVD.

Print

ISBN: 9781589483484

Part Number: 133842

296 pages

7.5 x 9 inches

Paperback

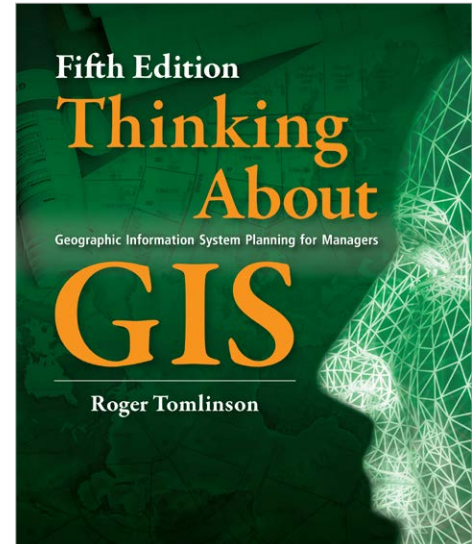
September 2013

\$54.95 USD

E-book

ISBN: 9781589483521

\$22.99 USD



Making Spatial Decisions Using GIS and Remote Sensing:

A Workbook

Kathryn Keranen and Robert Kolvoord

Making Spatial Decisions Using GIS and Remote Sensing is the first workbook to highlight the image processing capabilities inherent in ArcGIS software. Designed to complement remote-sensing textbooks in an undergraduate curriculum, this workbook teaches students image processing and analysis skills with ArcGIS 10.1 for Desktop. The book uses step-by-step instruction, guided activities that reinforce learned concepts, and independent projects that encourage students to solve problems using local data.

A DVD with Landsat imagery and other data accompanies the book along with a 180-day trial of ArcGIS 10.1 for Desktop Advanced software. Instructor resources are available.

ISBN: 9781589483361

Part Number: 129692

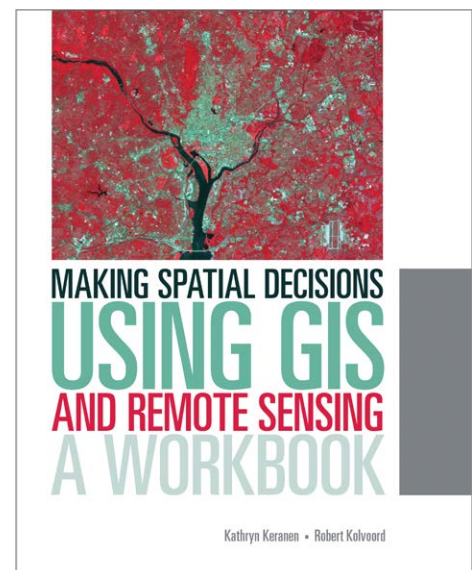
288 pages

8 x 10 inches

Paperback

November 2013

\$79.95 USD



The Sub-Saharan Africa Map Book

Esri

The Sub-Saharan Africa Map Book illustrates how GIS technology is currently being used in Africa to manage economic instability, social conflict, health care, conservation planning, and global warming. The maps feature the work of geoscientists throughout the region and cover a wide range of topics:

- Managing rangeland in Senegal
- Forecasting climate change in Nigeria
- Planning for sustainable land use in Zambia
- Conserving wildlife in Kenya
- Mapping humanitarian aid along the Ivory Coast

As these maps show, GIS technology is an integral tool for change—a platform for sharing information and data—that enables researchers, planners, and communities to work together to build a sustainable future.

ISBN: 9781589483385

Part Number: 129768

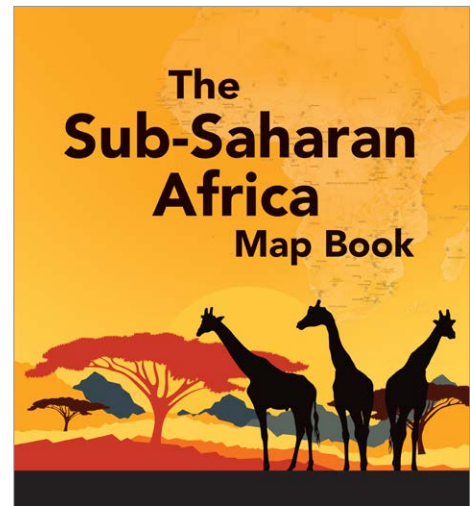
96 pages

10 x 11 inches

Paperback

December 2013

\$24.95 USD



The GIS Guide for Elected Officials

Cory Fleming, editor

The GIS Guide for Elected Officials is a valuable resource for government officials who want to better understand how to use GIS technology to answer location-based questions.

The use cases in *The GIS Guide for Elected Officials* show the wide range of problems GIS can help solve, including determining potential markets for a startup business, responding to the needs of a community during a disaster, and identifying urban food deserts. Designed to enable governments to learn from the experience of others, this volume also includes a review of what it takes to build and maintain a strong GIS program in light of rapidly changing technology and shrinking government budgets.

Print

ISBN: 9781589482722

Part Number: 119488

212 pages

7.5 x 9 inches

Paperback

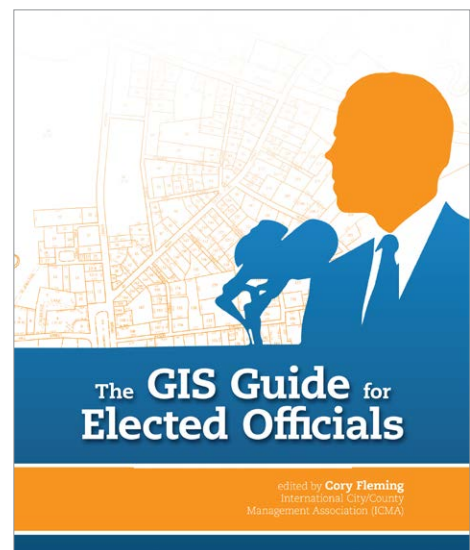
January 2014

\$19.99 USD

E-book

ISBN: 9781589483538

\$19.99 USD



Mapping the Nation:

Supporting Decisions that Govern a People

Esri

Mapping the Nation: Supporting Decisions that Govern a People is a collection of GIS maps illustrating the many ways that federal government agencies rely on GIS analysis to help make the world a better place, focusing on return on investment. Pulled from a broad range of agencies, maps included in the book demonstrate how the technology can be used to evaluate and respond to social, economic, and environmental concerns at local, regional, national, and global levels. These examples—on topics such as green government, economic recovery and sustainability, climate protection, and more—show how government agencies use GIS to facilitate initiatives, improve transparency, and deliver strong business models.

ISBN: 9781589483477

Part Number: 133481

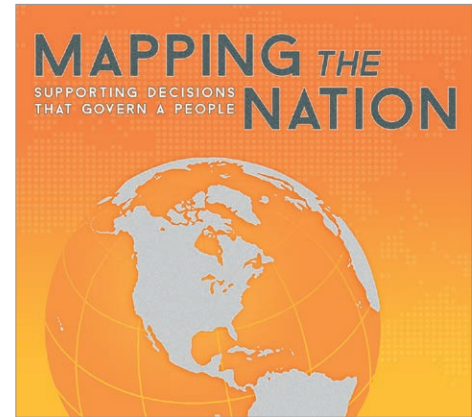
120 pages

10 x 11 inches

Paperback

February 2014

\$19.95 USD



GIS Tutorial for Health:

Fifth Edition

Kristen S. Kurland and Wilpen L. Gorr

GIS Tutorial for Health teaches GIS and analysis skills to health professionals and students. Using health care scenarios, the book demonstrates how to process and visualize health data to better manage services and support health care policy.

This workbook features lessons and structured exercises that cover mapping basics, including creating map layers, editing features, and using spatial data. This edition has been updated for compatibility with ArcGIS 10.2 for Desktop. Instructor resources are available.

Print

ISBN: 9781589483729

Part Number: 138903

460 pages

8 x 10 inches

Paperback

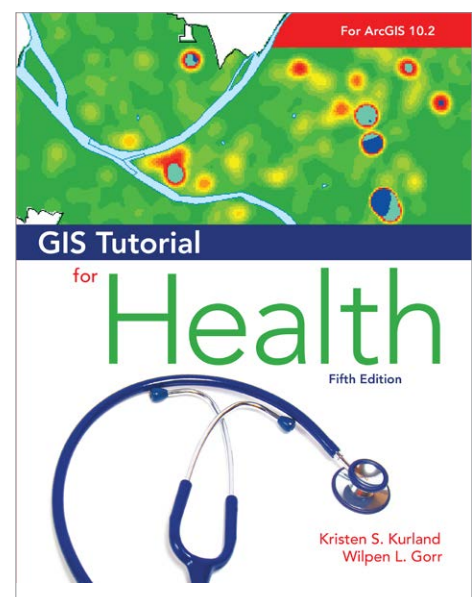
May 2014

\$79.99 USD

E-book

ISBN: 9781589483736

\$59.99 USD



Mapping Time:

Illustrated by Minard's Map of Napoleon's Russian Campaign of 1812

Menno-Jan Kraak

Mapping Time: Illustrated by Minard's Map of Napoleon's Russian Campaign of 1812 considers the cartographic challenge of visualizing time on a map. Inspired by graphic innovator Charles Minard's classic map of France's disastrous invasion of Russia, this book combines historical and geographic analysis with cartographic visualizations of mapping change over time. It includes more than 100 full-color illustrations.

Print

ISBN: 9781589483125

Part Number: 126422

192 pages

11 x 11 inches

Paperback

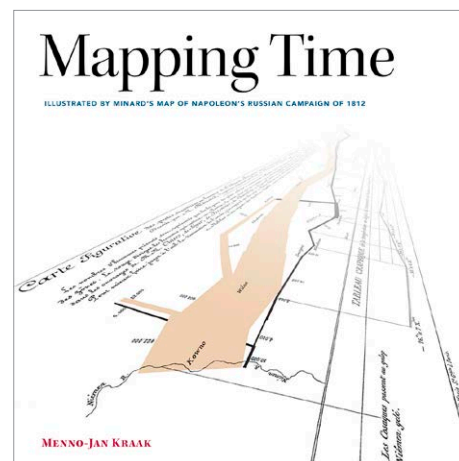
May 2014

\$49.99 USD

E-book

ISBN: 9781589483668

\$49.99 USD



Esri Map Book, Volume 29

Esri

Every year, works of mapmakers from around the world are selected for the *Esri Map Book* to demonstrate how GIS technology helps our governments, businesses, and citizens. *Esri Map Book*, Volume 29, continues this tradition, showcasing maps and applications that use ArcGIS software to evaluate the sustainability of resources, determine efficient transportation routes, mitigate the effects of natural disasters, and much more. Each map or application includes a description of its purpose and how it was produced. *Esri Map Book*, Volume 29, is an important collection of maps for GIS users, cartographers, collectors, and map libraries.

ISBN: 9781589483576

Part Number: 137587

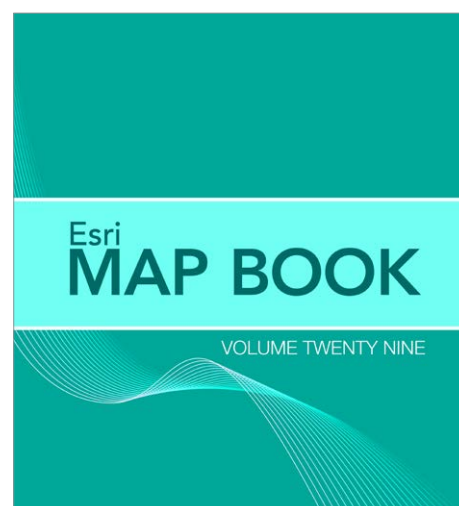
120 pages

10 x 11 inches

Paperback

July 2014

\$24.95 USD



GIS Tutorial for Python Scripting

David W. Allen

GIS Tutorial for Python Scripting is filled with practical examples, exercises, and assignments to help students build proficiency using Python in ArcGIS. Knowledge of Python—a key tool for scripting geoprocessing functions and tasks in ArcGIS for Desktop—is expanded through hands-on programming. This book builds on previously acquired GIS skills and takes them to the next level with the use of Python to automate your GIS applications. Designed primarily for course instruction, data is provided for the exercises, and instructor resources are available.

Print

ISBN: 9781589483569

Part Number: 137574

265 pages

8 x 10 inches

Paperback

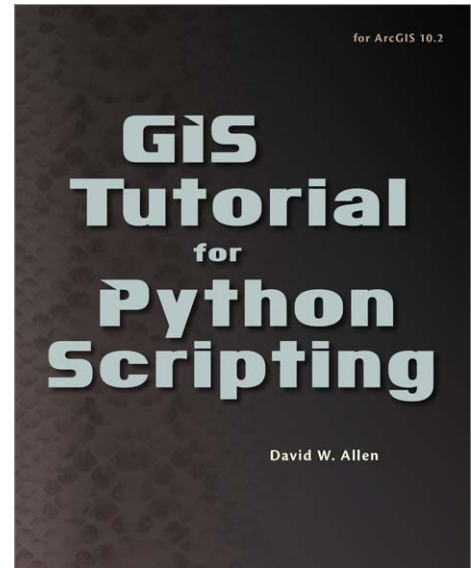
July 2014

\$69.99 USD

E-book

ISBN: 9781589483705

\$69.99 USD



Modernizing American Land Records:

Order Upon Chaos

Earl F. Epstein and Bernard J. Niemann Jr.

Modernizing American Land Records: Order Upon Chaos makes a compelling case for a new land records system to manage land more efficiently, effectively, and equitably. The authors have long histories teaching in major US universities; in these pages, they continue that work. This book is a valuable resource for local, state, regional, and federal land administration professionals; elected and appointed officials; private sector entrepreneurs; and students and faculty in the academic sector who have a role and stake in smart land planning and management in America.

Print

ISBN: 9781589483040

Part Number: 124061

290 pages

7.5 x 9 inches

Paperback

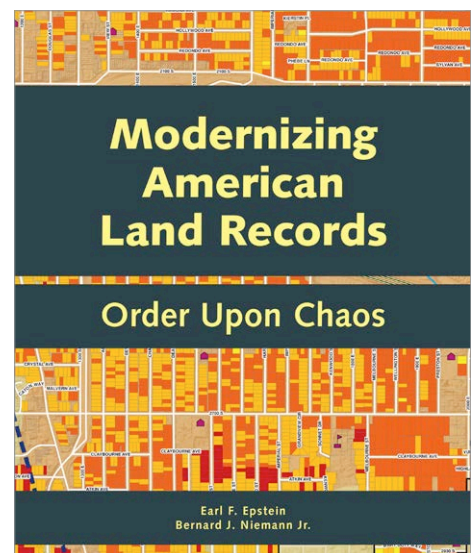
August 2014

\$24.99 USD

E-book

ISBN: 9781589483750

\$24.99 USD

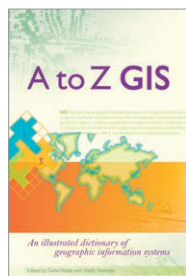


Esri Press Catalog

2013–2014



Technology and Reference



Print

ISBN: 9781589481404
Part Number: 100708
5.25 x 8 inches
Paperback 2006
\$29.95 USD 288 pages

E-book

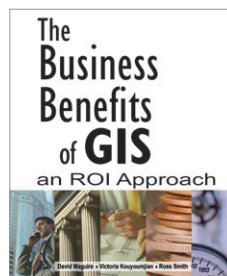
ISBN: 9781589482920
\$4.99 USD

A to Z GIS:

An Illustrated Dictionary of Geographic Information Systems

Tasha Wade and Shelly Sommer, editors

As GIS technology has evolved and grown, so has the language of this powerful tool. Written, developed, and reviewed by more than 150 subject matter experts, A to Z GIS is packed with more than 1,800 terms, nearly 400 full-color illustrations, and seven encyclopedia-style appendix articles about annotation and labels, features, geometry, layers in ArcGIS, map projections and coordinate systems, remote sensing, and topology.



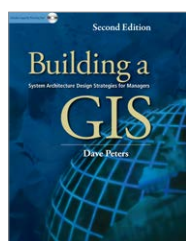
ISBN: 9781589482005
Part Number: 110033
7.5 x 9 inches
Paperback 2008
\$24.95 USD 256 pages

The Business Benefits of GIS:

An ROI Approach

David Maguire, Victoria Kouyoumjian, and Ross Smith

The Business Benefits of GIS presents a methodology aimed at ensuring the sustainability of GIS initiatives by effectively demonstrating the success of the investment. The methodology is based on an established framework and was adapted to combine the GIS expertise of Esri with the professional management experience of PA Consulting Group. The result is a step-by-step framework with additional tools that allow the reader to apply the book's methodology to GIS initiatives and achieve consensus among stakeholders.



Print

ISBN: 9781589483071
Part Number: 124605
8.375 x 10.875 inches
Paperback with DVD
2012
\$59.95 USD 384 pages

E-book (First Edition)

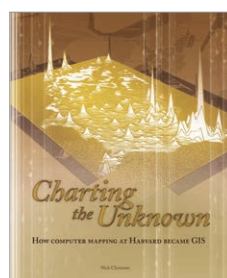
ISBN: 9781589483033
\$29.99 USD

Building a GIS:

System Architecture Design Strategies for Managers, Second Edition

Dave Peters

Building a GIS, Second Edition, describes and updates a time-tested approach to system architecture design. Using the Capacity Planning Tool (included with the book's DVD), GIS managers and technical architects can try out various system configurations in theory before committing their resources. The book promotes successful GIS operations and is intended for IT experts who are adopting the technology, GIS professionals who are new to system design, and executives who need to manage change.



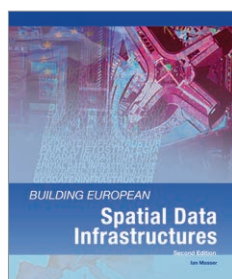
ISBN: 9781589481183
Part Number: 97239
7.5 x 9 inches
Paperback with CD
2006
\$34.95 USD 232 pages

Charting the Unknown:

How Computer Mapping at Harvard Became GIS

Nick Chrisman

Charting the Unknown presents a history of GIS technology that takes readers back more than four decades to the Harvard Laboratory for Computer Graphics and Spatial Analysis, where a variety of professionals converged to rethink thematic mapping, spatial analysis, and what we now call GIS. The book includes a CD that contains interviews with important figures at the Harvard Laboratory, three movies showing animated visualization, and scanned copies of *Context* publications (from 1968 to 1983) describing research and research-related activities at the lab.

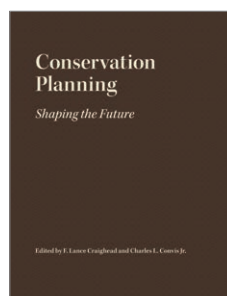


ISBN: 9781589482661
Part Number: 118618
7.5 x 9 inches
Paperback 2010
\$34.95 USD 108 pages

Building European Spatial Data Infrastructures, Second Edition

Ian Masser

Building European Spatial Data Infrastructures explores the efforts of the European Union to create a framework for a multinational Infrastructure for Spatial Information in Europe (INSPIRE). Designed as a reference for GIS professionals and decision makers, this book presents an overview of the innovative activities being performed to comply with the INSPIRE Directive and explains the rationale and the processes involved in spatial data infrastructure (SDI) development and implementation.



ISBN: 9781589482630
Part Number: 117571
8.375 x 10.875 inches
Paperback 2013
\$119.95 USD 440 pages

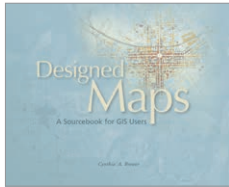
Conservation Planning:

Shaping the Future

F. Lance Craighead and Charles L. Convis, Jr., editors

This collection of contributed chapters shows how working scientists develop conservation plans using the best available scientific methods, data, and technology. Bringing a conservation focus to land management and planning, the authors show how planners creating human developments can still preserve healthy ecosystems for native wildlife by protecting habitat for key species. The book includes discussions on site selection, land-use trends, climate-change trends, and decision making for long-term conservation planning.

Technology and Reference continued

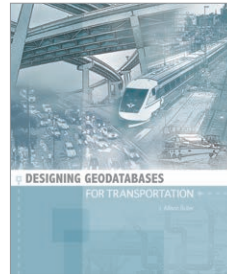


ISBN: 9781589481602
Part Number: 103135
10.5 x 8.5 inches
Paperback 2008
\$39.95 USD 184 pages

Designed Maps:

A Sourcebook for GIS Users
Cynthia A. Brewer

Designed Maps is a graphics-intensive presentation of published maps, providing more than 70 cartographic examples that GIS users can adapt for their own design needs. Each chapter characterizes a common design decision and includes a demonstration map 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.



Print

ISBN: 9781589481640
Part Number: 103795
7.5 x 9 inches
Paperback 2008
\$64.95 USD 480 pages

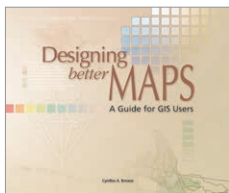
E-book

ISBN: 9781589482913
\$39.99 USD

Designing Geodatabases for Transportation

J. Allison Butler

Designing Geodatabases for Transportation provides guidance on how to design a GIS to manage data for transportation facilities and services as well as how to address the many problems unique to transportation data and related business processes. This book provides best-practice templates and communicates a practical database-design process for geographic information systems for transportation (GIS-T) users.



ISBN: 9781589480896
Part Number: 91828
9 x 7.5 inches
Paperback 2005
\$34.95 USD 220 pages

Designing Better Maps:

A Guide for GIS Users
Cynthia A. Brewer

This beautifully illustrated guide breaks down the myriad decisions involved in the design of powerful map layouts for reports, print publications, or interactive web displays. Author Cynthia A. Brewer demystifies the basics of good cartography, walking the reader through layout design, scales, north arrows, projections, color selection, font choices, symbol placement, and export options. The appendix describes the author's popular ColorBrewer application, an online color selection tool.



Print

ISBN: 9781589482180
Part Number: 112239
8 x 10 inches
Paperback 2012
\$65.95 USD 244 pages

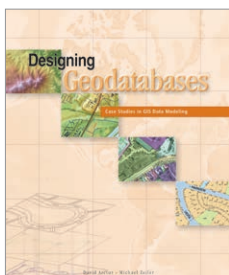
E-book

ISBN: 9781589483323
\$41.99 USD

Economic Development and GIS

J. M. Pogodzinski and
Richard M. Kos, AICP

Economic Development and GIS shows why geographic information system software is an essential tool for economic development planning and analysis. This book describes economic development policy problems and then follows with methods and techniques to solve them with GIS. Featuring the Esri Business Analyst™ for Desktop and Esri Business Analyst Online™ products, as well as spatial statistics extensions to ArcGIS for Desktop software, *Economic Development and GIS* serves as a reference for economic development decision making.

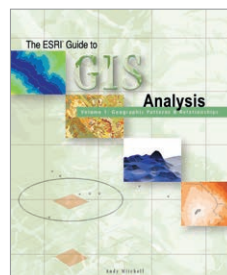


ISBN: 9781589480216
Part Number: 87596
7.5 x 9 inches
Paperback 2004
\$44.95 USD 408 pages

Designing Geodatabases:

Case Studies in GIS Data Modeling
David Arctur and Michael Zeiler

This highly visual guide to creating a dynamic geographic data model helps ArcGIS users design schemas that have comprehensive and descriptive query definitions, user-friendly cartographic displays, and increased performance standards. This work outlines five steps for taking a data model through its conceptual, logical, and physical phases—modeling the user's view, defining objects and relationships, selecting geographic representations, matching geodatabase elements, and organizing the geodatabase structure.



Print

ISBN: 9781879102064
Part Number: 81706
7.5 x 9 inches
Paperback 1999
\$34.95 USD 190 pages

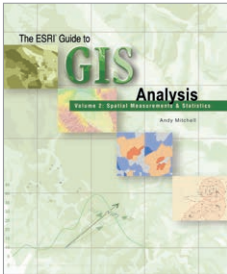
E-book

ISBN: 9781589482944
\$34.99 USD

The Esri Guide to GIS Analysis, Volume 1:

Geographic Patterns and Relationships
Andy Mitchell

The Esri Guide to GIS Analysis, Volume 1, presents the reader with the necessary tools to conduct real analysis with a GIS. The book focuses on six of the most common geographic analysis tasks: mapping where things are, mapping the most and least, mapping density, finding what is inside, finding what is nearby, and mapping what has changed.

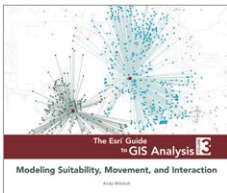


Print

ISBN: 9781589481169
Part Number: 97279
7.5 x 9 inches
Paperback 2005
\$34.95 USD 252 pages

E-book

ISBN: 9781589482951
\$34.99 USD

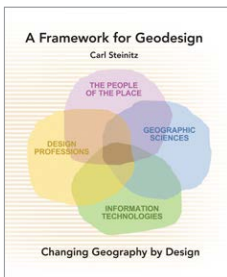


Print

ISBN: 9781589483057
Part Number: 124351
9 x 7.5 inches
Paperback 2012
\$44.95 USD 432 pages

E-book

ISBN: 9781589483392
\$34.99 USD



ISBN: 9781589483330
Part Number: 128588
8.75 x 10.875 inches
Paperback 2012
\$79.95 USD 224 pages

The Esri Guide to GIS Analysis, Volume 2:

Spatial Measurements and Statistics
Andy Mitchell

As the tools available through commercial GIS software have grown in sophistication, a need has emerged to instruct people on the best practices of true GIS analysis. In this sequel to the best-selling *The Esri Guide to GIS Analysis, Volume 1*, author Andy Mitchell delves into the more advanced realm of spatial measurements and statistics. The premise of *The Esri Guide to GIS Analysis, Volume 2*, targets GIS technology as having been well used as a display and visualization medium but not so widely used as a tool for real analysis.

The Esri Guide to GIS Analysis, Volume 3:

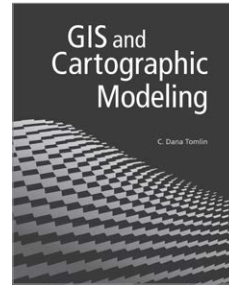
Modeling Suitability, Movement, and Interaction
Andy Mitchell

This book describes practical applications of modeling concepts in a geographic information system. This book shows readers how they can explore spatial interaction, site selection, routing, and scheduling and explains how to best interpret the results of the analyses. With full-color maps and illustrations and sample applications, this book will help students studying GIS technology and professional GIS analysts better use models to evaluate locations and analyze movement.

A Framework for Geodesign: Changing Geography by Design

Carl Steinitz

A Framework for Geodesign: Changing Geography by Design presents the key concepts, history, and methodology of geodesign.

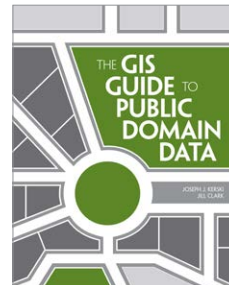


Print

ISBN: 9781589483095
Part Number: 125359
8 x 10 inches
Paperback 2012
\$45.95 USD 204 pages

E-book

ISBN: 9781589483316
\$32.99 USD



Print

ISBN: 9781589482449
Part Number: 115199
8 x 10 inches
Paperback 2012
\$49.95 USD 388 pages

E-book

ISBN: 9781589483170
\$32.99 USD

GIS and Cartographic Modeling

C. Dana Tomlin

This book is foundational in the field of GIS technology. An introduction to the concepts, conventions, and capabilities of map algebra as a general language, this book describes the analytical use of raster-based GIS. By focusing on the fundamentals of cartographic modeling techniques, C. Dana Tomlin illustrates concepts that can be applied to any GIS. This publication contains updated graphics and a new preface.

The GIS Guide to Public Domain Data

Joseph J. Kerski and Jill Clark

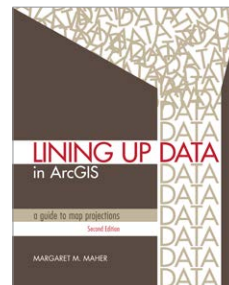
The GIS Guide to Public Domain Data gives users of geographic information systems relevant information about the sources and quality of available public domain spatial data. Readers will learn how to find, evaluate, and analyze data to solve location-based problems. This guide covers practical issues such as copyrights, cloud computing, online data portals, volunteered geographic information, and international data. Supplementary exercises are available online to help put the concepts into practice.

Lining Up Data in ArcGIS:

A Guide to Map Projections, Second Edition

Margaret M. Maher

This book is an easy-to-navigate troubleshooting reference for any GIS user with the common problem of data misalignment. Complete with full-color maps and diagrams, this book presents practical techniques on how to identify data projections, create custom projections to align data, and solve common data alignment problems. The second edition is compatible with ArcGIS 10.1 software and includes new sections on aligning CAD data and appropriate use of the web Mercator projection. This book will benefit novice and experienced GIS users alike.



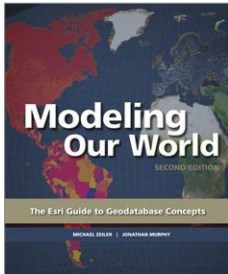
Print

ISBN: 9781589483422
Part Number: 131814
8 x 10 inches
Paperback 2013
\$24.95 USD 200 pages

E-book

ISBN: 9781589483439
\$16.99 USD

Technology and Reference continued



ISBN: 9781589482784
Part Number: 120718
7.5 x 9 inches
Paperback 2010
\$44.95 USD 308 pages

Modeling Our World:

The Esri Guide to Geodatabase Concepts, Second Edition
Michael Zeiler and Jonathan Murphy

Modeling Our World focuses on understanding the geodatabase, a collection of geographic datasets that works in concert with ArcGIS software to provide a rich framework for modeling attributes, spatial and temporal relationships, and transactions. This book promotes best practices for data modeling and analysis by addressing critical topics such as spatial integrity, attribute integrity, workflow, and scaling.



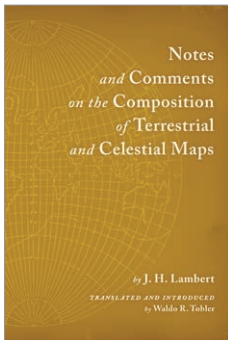
E-book

ISBN: 9781589482876
306 pages
2007
\$24.99 USD

Research and Theory in Advancing Spatial Data Infrastructure Concepts

Harlan Onsrud, editor

In this scholarly volume, Harlan Onsrud, former president of the Global Spatial Data Infrastructure Association, presents the latest research by renowned international experts and offers insights into possible directions in which spatial data infrastructures (SDIs) may be headed. Firmly rooted in a broad social context, the research analyzes models for planning, financing, and implementing SDI initiatives and assesses the extent to which established SDI projects in Australia, India, and the European Union are contributing to national economic competitiveness and social well-being.

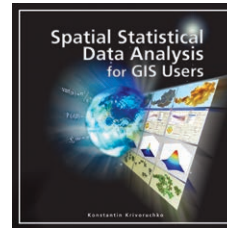


ISBN: 9781589482814
Part Number: 122115
6 x 9 inches
Paperback 2011
\$24.95 USD 135 pages

Notes and Comments on the Composition of Terrestrial and Celestial Maps

J. H. Lambert, author;
Waldo R. Tobler, translator

Largely self-taught, Johann Heinrich Lambert became one of the world's preeminent mathematicians and cartographers, and his work is still relevant today. Originally published in 1772, this book was translated from German to English by Swiss-American geographer Waldo R. Tobler in 1972. It is republished by Esri Press with an expanded preface and an updated reference section. It is a classic text and a key component of any cartographic library.



ISBN: 9781589481619
Part Number: 103087
Media kit with DVD
5 x 5 inches
2011
\$39.99 USD

Spatial Statistical Data Analysis for GIS Users

Konstantin Krivoruchko

Spatial Statistical Data Analysis for GIS Users discusses spatial statistical models, from simple to complex. This DVD focuses on the ArcGIS Geostatistical Analyst extension to explain basic concepts of statistical models, offer solutions for applying models to data, and provide exercises for practicing spatial data analysis. This DVD is a resource for users of ArcGIS Geostatistical Analyst, as well as students, teachers, and researchers looking for a practical introduction to statistical modeling.

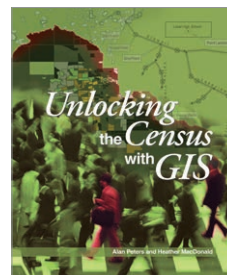


ISBN: 9781589482296
Part Number: 110204
7.5 x 9 inches
Paperback 2008
\$9.95 USD 274 pages

Pensando en el SIG:

Planificación del Sistema de Información Geográfica Dirigida a Gerentes, Tercera Edición
Roger Tomlinson

Desarrollado a partir de décadas de experiencia en consultoría global y sus populares seminarios de SIG mundialmente, el libro del Dr. Tomlinson ayuda a entrelazar las diferencias de comunicación entre las personas con competencia en tecnología y aquellos que no la tienen. La metodología proporciona una plataforma común de la cual se puede evaluar exactamente que necesita una organización de un SIG.

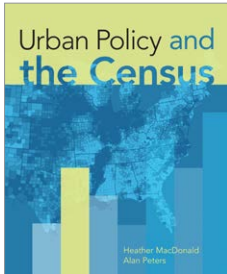


ISBN: 9781589481138
Part Number: 93988
8.5 x 9.25 inches
Paperback 2004
\$44.95 USD 336 pages

Unlocking the Census with GIS

Alan Peters and Heather MacDonald

The US Census provides billions of pieces of complex data about millions of exceptionally diverse people. *Unlocking the Census with GIS* describes how GIS can be used to better access, understand, manage, and analyze census data and census-related information and present it in a spatial format. Numerous maps, tables, sidebars, and in-depth examples and explanations are provided to guide readers to a greater understanding of the census and its value to those using powerful GIS software tools.

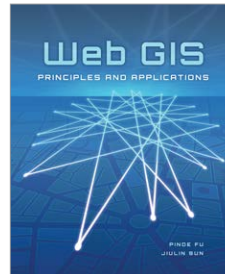


ISBN: 9781589482227
Part Number: 112770
7.5 x 9 inches
Paperback 2011
\$49.95 USD 200 pages

Urban Policy and the Census

Heather MacDonald and Alan Peters

Urban Policy and the Census helps researchers and policy analysts gain an integrated understanding of census data and other sources of policy data, including their strengths and limitations and the best use of this data in policy research. Researchers will be able to critically assess decennial census and American Community Survey data, which can be the starting point for spatial analysis for realistic policy planning and decision making.



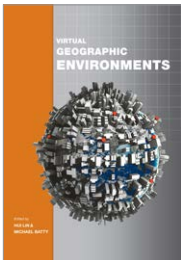
ISBN: 9781589482456
Part Number: 115391
7.5 x 9 inches
Paperback 2010
\$55.95 USD 312 pages

Web GIS:

Principles and Applications

Pinde Fu and Jiulin Sun

Web GIS offers a balance of principles, concepts, and techniques to guide readers at any skill level toward an understanding of how the World Wide Web can expand and modernize the way GIS technology is used. New web technologies and research areas addressed in the book include web GIS servers; REST services; JavaScript™, Adobe® Flex™, and Microsoft Silverlight® APIs; cloud computing and cloud GIS; geodesign; mobile GIS; mashups; volunteered geographic information (VGI); geoportals; geocollaboration; and next-generation national spatial data infrastructures (NSDI).



Print
ISBN: 9781589483187
Part Number: 126840
7.25 x 10.25 inches
Paperback 2011
\$49.95 USD 364 pages

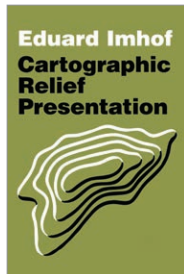
Virtual Geographic Environments

Hui Lin and Michael Batty, editors

Virtual Geographic Environments collects key papers that define the current momentum in GIS and virtual geographies. Contributions by leading members of the geospatial community illustrate the cutting edge of GIScience, as well as new applications of GIS with the processing and delivery of geographic information via the web and handheld devices, forming two major directions to these developments. The book's four-part organization starts with a primer on virtual geographic environments (VGEs) and moves on to virtual cities and landscapes; interface design and public participation; and finally, mobile and networked VGEs.

E-book
ISBN: 9781589483248
\$19.99 USD

Education and Training

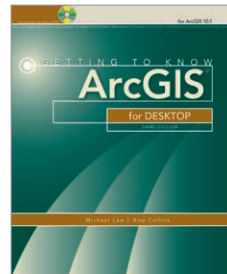


Print
ISBN: 9781589480261
Part Number: 102976
7.125 x 10.125 inches
Paperback 2007
\$32.95 USD 434 pages

E-book
ISBN: 9781589483279
\$32.99 USD

Cartographic Relief Presentation *Eduard Imhof*

Within the discipline of cartography, few works are considered classics in the sense of retaining their interest, relevance, and inspiration with the passage of time. One such work is Imhof's masterpiece *Cartographic Relief Presentation*. As a unique display of analysis and portrayal, this is an outstanding example of the need for cartography to combine intellect and graphics in solving map design problems. The range, detail, and scientific artistry of his solutions are presented in an instructional context that puts this work in a class by itself.

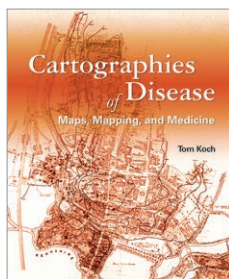


ISBN: 9781589483088
Part Number: 124979
7.5 x 9 inches
Paperback with data DVD 2013
\$84.95 USD 768 pages

Getting to Know ArcGIS for Desktop, Third Edition

Michael Law and Amy Collins

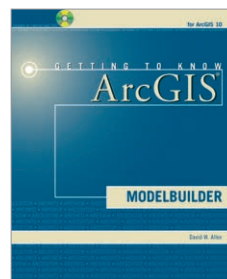
This workbook introduces the principles of GIS technology via hands-on exercises. Learn to use ArcGIS for Desktop software to display and present maps and data, and then query and analyze the data. This edition has been reorganized and includes new topics such as exploring online resources and raster data. It also contains new exercises, data, and learning tools. This workbook is well suited for classroom use, independent study, or as a reference. It includes a 180-day trial of ArcGIS 10.1 for Desktop Advanced software and an exercise data DVD.



ISBN: 9781589481206
Part Number: 97237
7.5 x 9.125 inches
Paperback 2005
\$44.95 USD 412 pages

Cartographies of Disease: Maps, Mapping, and Medicine *Tom Koch*

Cartographies of Disease: Maps, Mapping, and Medicine is a comprehensive survey of the technology of mapping and its relationship to the battle against disease. This look at medical mapping advances a radical argument that maps are not merely representations of spatial realities but a way of thinking about relationships between viral and bacterial communities, human hosts, and the environments in which diseases flourish.



ISBN: 9781589482555
Part Number: 117162
7.5 x 9 inches
Paperback with data DVD 2011
\$79.95 USD 336 pages

Getting to Know ArcGIS ModelBuilder

David W. Allen

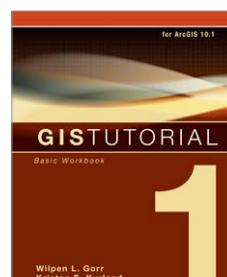
Getting to Know ArcGIS ModelBuilder teaches readers how to develop and run reusable geoprocessing workflows and models. Written for intermediate and advanced GIS users, this book is the first reference book and workbook exclusively for ModelBuilder™, a visual programming technology available in ArcGIS. Designed to support students in the classroom as well as self-learners, data for the exercises, as well as examples of models, Python scripts, and custom applications, is included in a companion DVD.



ISBN: 9781589482609
Part Number: 117270
7.5 x 9 inches
Paperback with data CD 2010
\$79.95 USD 604 pages

Getting to Know ArcGIS Desktop, Second Edition, Updated for ArcGIS 10 *Tim Ormsby, Eileen J. Napoleon, Robert Burke, Carolyn Groessl, and Laura Bowden*

Getting to Know ArcGIS Desktop introduces principles of GIS as it teaches the mechanics of using Esri's leading technology. Key concepts are combined with detailed illustrations and step-by-step exercises to acquaint readers with the building blocks of ArcGIS 10 for Desktop. Its broad scope, simple style, and practical orientation make this book an ideal classroom text or resource for independent study. A data CD for working through the exercises and access to a 180-day trial version of ArcGIS 10 for Desktop are included with the book.

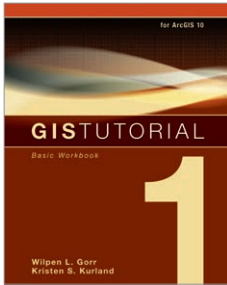


ISBN: 9781589483354
Part Number: 129467
8 x 10 inches
Paperback with data DVD 2013
\$79.95 USD 440 pages

GIS Tutorial 1: Basic Workbook, 10.1 Edition

Wilpen L. Gorr and Kristen S. Kurland

Providing introductory text for learning to use ArcGIS for Desktop software, this workbook presents GIS tools and functionality, including querying interactive maps, collecting data, and running geoprocessing tools. Its detailed exercises, Your Turn sections, and homework assignments can be adapted to learning GIS in a classroom or through independent study. Also included is a 180-day trial of ArcGIS 10.1 for Desktop Advanced software and a DVD with data for working through the exercises. Instructor resources are available.

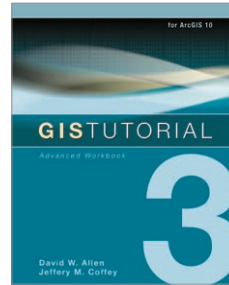


ISBN: 9781589482593
Part Number: 117292
8 x 10 inches
Paperback with data and software DVDs
2010
\$79.95 USD 428 pages

GIS Tutorial 1:

Basic Workbook, Fourth Edition
Wilpen L. Gorr and Kristen S. Kurland

GIS Tutorial 1: Basic Workbook provides effective GIS training in a step-by-step format. This book combines ArcGIS tutorials with independent exercises to gradually advance your GIS skills, from creating maps and collecting data to using geoprocessing tools and models and the ArcGIS 3D Analyst™ and ArcGIS Spatial Analyst extensions for further analysis. The easy-to-follow exercises, data DVD, and access to ArcGIS 10 for Desktop software use make *GIS Tutorial 1* the perfect choice for GIS beginners. An instructor resource DVD is available with a desk copy request.



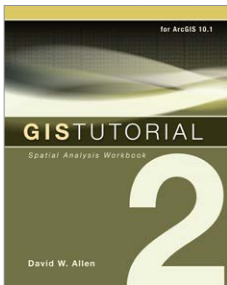
ISBN: 9781589482074
Part Number: 111229
8 x 10 inches
Paperback with data and software DVDs
2010
\$79.95 USD 412 pages

GIS Tutorial 3:

Advanced Workbook

David W. Allen and Jeffery M. Coffey

GIS Tutorial 3: Advanced Workbook features exercises that utilize more of the complex capabilities of ArcGIS. Following the standard tutorial format, this workbook is divided into four sections that cover framework design for a complex geodatabase, working with data, workflow optimization, and labeling and symbolizing techniques. *GIS Tutorial 3* introduces readers to tools and methods that use the best features available at higher ArcGIS license levels. This book was written to be used for advanced coursework or independent study. An instructor resource DVD is available with a desk copy request.

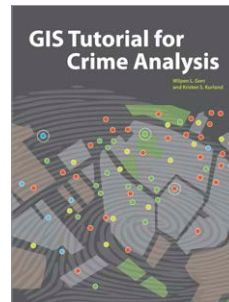


ISBN: 9781589483378
Part Number: 129684
8 x 10 inches
Paperback with data DVD
2013
\$79.95 USD 344 pages

GIS Tutorial 2:

**Spatial Analysis Workbook,
10.1 Edition**
David W. Allen

This book provides hands-on exercises to help GIS users at the intermediate level build problem-solving and analysis skills. It complements concepts in the Esri Guide to GIS Analysis book series and offers experience with various spatial analysis methods, including location analysis; change over time, location, and value comparisons; geographic distribution; pattern analysis; and cluster identification. The book includes a 180-day trial of ArcGIS 10.1 for Desktop Advanced software and an exercise data DVD. Instructor resources are available.

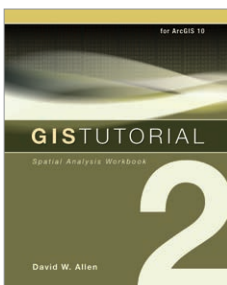


ISBN: 9781589482142
Part Number: 112212
8.375 x 10.875 inches
Paperback with data DVD
2011
\$79.95 USD 296 pages

GIS Tutorial for Crime Analysis

Wilpen L. Gorr and Kristen S. Kurland

GIS Tutorial for Crime Analysis is a crime-mapping workbook for analysts and students of criminology. This book combines step-by-step tutorials with independent exercises to introduce key GIS skills, including data preparation, template building, and map production automation. Exercises teach readers skills needed in police departments across the nation. In addition to the exercises, this book includes a 180-day trial version of ArcGIS 10 for Desktop software and exercise data. An instructor resource DVD is available on request.

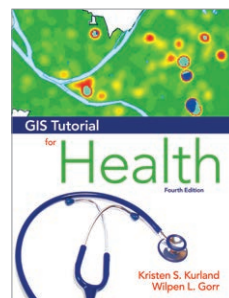


ISBN: 9781589482586
Part Number: 117282
8 x 10 inches
Paperback with data and software DVDs
2010
\$79.95 USD 340 pages

GIS Tutorial 2:

**Spatial Analysis Workbook,
Second Edition**
David W. Allen

GIS Tutorial 2: Spatial Analysis Workbook includes exercises that help GIS users at the intermediate level continue to build problem-solving and analysis skills. Inspired by the Esri Guide to GIS Analysis book series, *GIS Tutorial 2* provides a system to help you develop proficiency in various spatial analysis methods, including location analysis, geographic distribution, pattern analysis, and cluster identification. This workbook is the perfect tool for those who are ready to take their knowledge of GIS to the next level. An instructor resource DVD is available with a desk copy request.



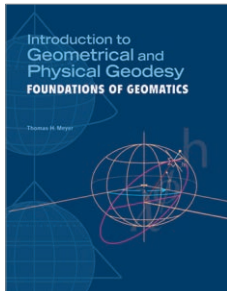
ISBN: 9781589483132
Part Number: 126587
8 x 10 inches
Paperback with data DVD
2012
\$79.95 USD 466 pages

GIS Tutorial for Health, Fourth Edition

Kristen S. Kurland and Wilpen L. Gorr

In its fourth edition, *GIS Tutorial for Health* is fully revised and updated for ArcGIS 10 for Desktop software. To better support skill building and GIS analysis, this workbook features extended introductions to 11 tutorials addressing significant issues of health care and policy planning. Step-by-step exercises cover health map basics, data preparation for maps, and spatial analysis of health issues using GIS. Complete with a 180-day trial of ArcGIS 10 for Desktop and exercise datasets, this book is valuable for classroom as well as individual use. Instructor resources are available.

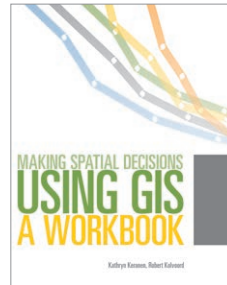
Education and Training continued



ISBN: 9781589482159
Part Number: 112203
8.375 x 10.875 inches
Hardcover 2010
\$99.95 USD 260 pages

Introduction to Geometrical and Physical Geodesy: Foundations of Geomatics *Thomas H. Meyer*

Introduction to Geometrical and Physical Geodesy explores geodesy, the discipline dealing with the measurement of the earth. Establishing GIS as a coordinate-based system and building on this concept, the book culminates in the reader's applied knowledge of geodesy. To simplify presentation, mathematics in this book are discussed without origin of proof. Intended for the classroom or professional reference, this book simplifies the geodesic formulas related to surveying, making it a practical approach to geodesy and GIS.



ISBN: 9781589482807
Part Number: 121381
8 x 10 inches
Paperback with data DVD
2011
\$69.95 USD 172 pages

Making Spatial Decisions Using GIS: A Workbook, Second Edition *Kathryn Keranen and Robert Kolvoord*

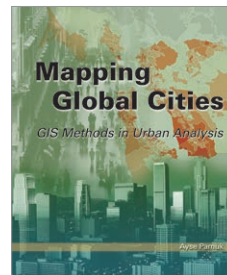
With this workbook, students will use organized workflows, spatial analysis, and visualization to make decisions rooted in real-world issues about crime, hazards, hurricanes, demographics, and urban planning. Designed for a college curriculum, *Making Spatial Decisions Using GIS: A Workbook* develops GIS skills using step-by-step instructions, guided activities that reinforce learned concepts, and independent projects that encourage students to find local data and situations. Data for the exercises, a 180-day trial of ArcGIS 10 for Desktop, and in-depth instructor resources are also provided.



ISBN: 9781589480414
Part Number: 102979
7.5 x 9 inches
Paperback 2009
\$24.95 USD 512 pages

Land Administration for Sustainable Development

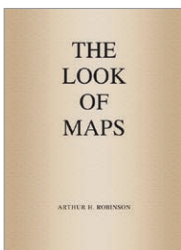
Land Administration for Sustainable Development examines global land administration systems at different levels of maturity. This examination elucidates how countries can establish basic infrastructure for the implementation of land-related policies and land management strategies that will help ensure social equality, economic growth, and environmental protection. *Land Administration for Sustainable Development* is a resource for professors and students of land planning, land administrators, land planning managers, and government officials.



ISBN: 9781589481435
Part Number: 100731
7.5 x 9 inches
Paperback with data CD
2006
\$49.95 USD 208 pages

Mapping Global Cities: GIS Methods in Urban Analysis *Ayşe Pamuk*

Spatial thinking and analysis are essential for informed urban policy making in a global world. Urban planners need to understand how cities are organized and how residential patterns are shaped as a result of population and employment changes. *Mapping Global Cities* illustrates how GIS technology can be applied to urban planning and policy challenges to enhance our efforts in providing solutions. This book is a valuable resource for urban studies and planning students, international development professionals, human settlement experts in the developing world, and urban planning practitioners.

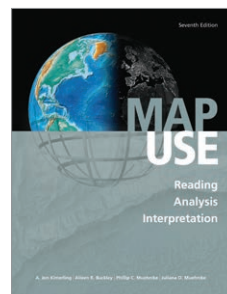


Print
ISBN: 9781589482623
Part Number: 117318
6 x 9 inches
Paperback 2010
\$18.95 USD 124 pages

E-book
ISBN: 9781589483262
\$9.99 USD

The Look of Maps: An Examination of Cartographic Design *Arthur H. Robinson*

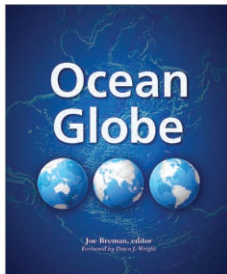
Originally published in 1952, *The Look of Maps* documents Arthur H. Robinson's pivotal observation that the discipline of cartography rests at the crossroads of science and art. Based on his doctoral research, this book attempts to resolve the apparent disconnect by covering a range of topics related to the visual characteristics of cartographic technique, including lettering, structure, and color. *The Look of Maps* is a classic text and an essential component of any cartographic library.



ISBN: 9781589482791
Part Number: 121250
8.375 x 10.875 inches
Paperback 2011
\$99.95 USD 610 pages

Map Use: Reading, Analysis, Interpretation, Seventh Edition *A. Jon Kimerling, Aileen R. Buckley, Phillip C. Muehrcke, and Juliana O. Muehrcke*

Map Use: Reading, Analysis, Interpretation, Seventh Edition, is a comprehensive, foundational textbook designed for the college curriculum. Now updated with a new section on map interpretation, *Map Use* provides students with the knowledge and skills to read and understand maps and offers professional cartographers a thorough reference resource. Nearly 600 full-color maps, photographs, and graphs illustrate the concepts behind communicating with maps. A resource DVD for instructors is available.

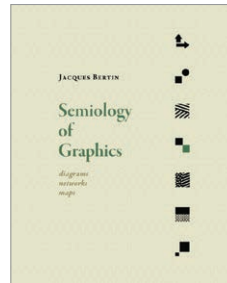


ISBN: 9781589482197
Part Number: 112545
7.5 x 9 inches
Paperback 2010
\$64.95 USD 294 pages

Ocean Globe

Joe Breman, editor

Ocean Globe focuses on bathymetry—the study of underwater depth of the third dimension—within the larger context of work being done by scientists and educators around the world. With a shared goal of joining disparate data collected over decades, the contributors to this volume turn to GIS as a tool for sharing information and advancing the science of bathymetry. *Ocean Globe* is both a resource for the classroom and a reference for practitioners.



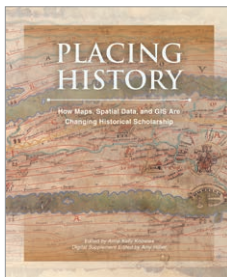
ISBN: 9781589482616
Part Number: 117317
8.75 x 10.75 inches
Hardcover 2010
\$79.95 USD 460 pages

Semiology of Graphics:

Diagrams, Networks, Maps

Jacques Bertin

Originally published in French in 1967, *Semiology of Graphics* holds a significant place in the theory of information design. Founded on Jacques Bertin's practical experience as a cartographer, this book is an unprecedented attempt to synthesize principles of graphic communication with the logic of standard rules applied to writing and topography. The first cohesive, analytic theory of graphic representation, *Semiology of Graphics* is an essential reference for cartographers, graphic designers, illustrators, and geographers.

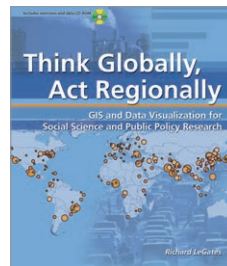


ISBN: 9781589480131
Part Number: 102796
7.5 x 9 inches
Paperback with CD
2008
\$49.95 USD 336 pages

Placing History:

How Maps, Spatial Data, and GIS Are Changing Historical Scholarship
Anne Kelly Knowles, editor; Amy Hillier, digital supplement editor

Over the past decade, historical GIS has emerged as a promising new methodology for studying history. In this companion piece to *Past Time*, *Past Place*, editor Anne Kelly Knowles presents a collection of case studies that illustrate how GIS technology can be utilized to reorganize and reevaluate historical data. Complete with a digital supplement edited by Amy Hillier, *Placing History* is the perfect tool for engaging a classroom of young historians by demonstrating how GIS can be used to awaken the past.

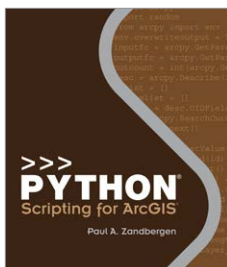


ISBN: 9781589481244
Part Number: 99833
8 x 9.25 inches
Paperback with data CD
2005
\$64.95 USD 540 pages

Think Globally, Act Regionally:

GIS and Data Visualization for Social Science and Public Policy Research
Richard LeGates

Space is an important dimension in most real-world issues that concern social scientists and students of public policy. *Think Globally, Act Regionally* explores the spatial aspects of issues such as the preservation of farmland and endangered plants and animals, urban and regional planning, and management of light-rail lines. This book is designed as a monthlong module with structured exercises addressing themes of urbanization, GIS technology, data visualization, the balance between the built and natural environments, and issues of spatial equity and regional integration.



Print
ISBN: 9781589482821
Part Number: 122269
8 x 10 inches
Paperback with data DVD
2013
\$79.99 USD 368 pages

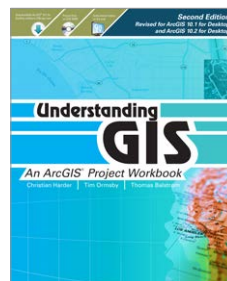
E-book

ISBN: 9781589483620
\$79.99 USD

Python Scripting for ArcGIS

Paul A. Zandbergen

This book is a guide for experienced users of ArcGIS for Desktop software to get started with Python scripting without needing previous programming experience. Experience with other scripting or programming languages (Perl, VBA, VB script, Java, C++) is helpful but not required. Readers are expected to have good general ArcGIS skills and a basic understanding of geoprocessing procedures. There are 14 chapters with corresponding exercises on an accompanying DVD. Also included is access to a 180-day trial of ArcGIS 10.1 for Desktop.



ISBN: 9781589483460
Part Number: 133028
7.875 x 9.625 inches
Paperback with data DVD
2013
\$79.95 USD 392 pages

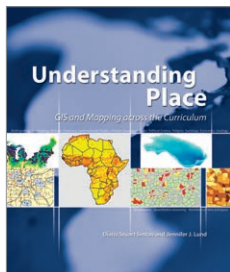
Understanding GIS:

An ArcGIS Project Workbook, Second Edition

Christian Harder, Tim Ormsby, and Thomas Balström

Understanding GIS explains the methods and tools needed to apply GIS analysis to a spatial problem by finding the best location for a new park along the Los Angeles River in Southern California. Through this process, readers develop critical-thinking and problem-solving skills and learn to use ArcGIS for Desktop software from Esri. The workbook includes valuable learning materials: self-paced tutorials, ArcGIS 10.1 for Desktop software, DVD with project data, and an online Understanding GIS resource center.

|| Education and Training continued



ISBN: 9781589481497
Part Number: 101486
7.5 x 9 inches
Paperback 2007
\$49.95 USD 304 pages

Understanding Place:

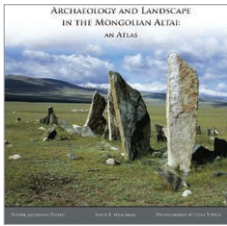
GIS and Mapping Across the Curriculum

Diana Stuart Sinton and

Jennifer J. Lund, editors

Understanding Place is a reference for teachers who wish to deepen student involvement by using GIS technology to analyze and visualize information. Using interactive maps, students in all disciplines have the opportunity to develop the skills and habits of seeing, thinking, and communicating with information-rich images. Contributors candidly describe GIS-based teaching, learning, and research across the range of a liberal arts and sciences curriculum.

Atlases and Map Books

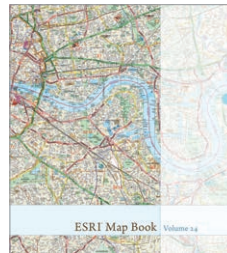


ISBN: 9781589482326
Part Number: 113412
11 x 11 inches
Hardcover 2010
\$79.95 USD 225 pages

Archaeology and Landscape in the Mongolian Altai: An Atlas

Esther Jacobson-Tepfer and James E. Meacham

This book examines the distribution of ancient surface archaeological discoveries within the mountainous region of northwestern Mongolia. For thousands of years, this region was inhabited by hunters and pastoral nomads who left behind huge concentrations of rock art in the high valleys. With vivid maps and photographs, this book explores the cultural heritage of this rugged environment. This book will appeal to readers interested in ecotourism, preservation, geography, and ancient human cultures.

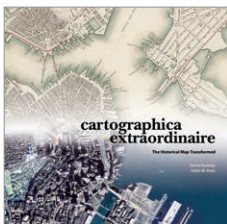


ISBN: 9781589482302
Part Number: 113122
10 x 11 inches
Paperback 2009
\$24.95 USD 120 pages

Esri Map Book, Volume 24

Esri

Esri Map Book is an annual volume published to exhibit the most innovative and well-crafted maps displayed at the Esri International User Conference. This volume continues the tradition of acknowledging the outstanding efforts of GIS users in their respective fields. With more than 20 categories represented by more than 100 full-color maps, volume 24 tells the story of how GIS professionals are boldly shaping the world that they map.

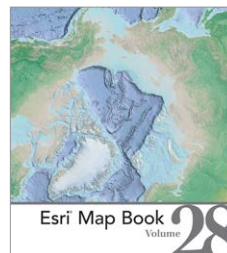


ISBN: 9781589480445
Part Number: 90016
14 x 13 inches
Hardcover 2004
\$79.95 USD 164 pages

Cartographica Extraordinaire: The Historical Map Transformed

David Rumsey and Edith M. Punt

Handsomely illustrated, this large-format, hardcover atlas is a collection of extraordinary historical maps, some of which have been uniquely enhanced with modern GIS technology, from the private collection of David Rumsey. Maps featured in *Cartographica Extraordinaire* not only tell the vivid history of North and South America, from the early exploration of the New World to Lewis and Clark's opening of the American West, but also bridge the gap between historical cartography and the technologically advanced applications of GIS.

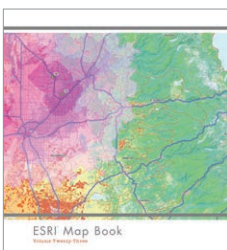


ISBN: 9781589483415
Part Number: 131124
10 x 11 inches
Paperback 2013
\$24.95 USD 120 pages

Esri Map Book, Volume 28

Esri

Esri Map Book, Volume 28 shows how GIS technology enables change and provides innovative, spatially based solutions to wide-ranging issues, including those affecting business, the environment, utilities, transportation, and government. Dozens of maps from distinct industries spread across many countries, regions, and cities are featured. Each map includes a description of the map's purpose and how it was produced. This is an important collection of maps for GIS users, cartographers, collectors, and map libraries.

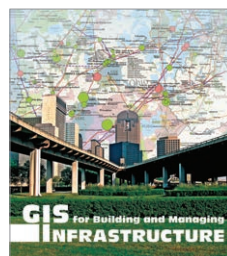


ISBN: 9781589481930
Part Number: 108386
10 x 11 inches
Paperback 2008
\$24.95 USD 120 pages

Esri Map Book, Volume 23

Esri

Esri Map Book, Volume 23, is dedicated to showcasing the innovative and inspiring accomplishments of GIS users around the world. The true excitement of this book lies in the discovery of which maps have made it from the 2007 Esri International User Conference Map Gallery into publication. More than 100 full-color maps are featured from distinct industry categories such as cartography, environmental management, government, natural resources, planning and engineering, tourism, transportation, and utilities. Each map is presented with a description of how it was produced or used.



ISBN: 9781589482524
Part Number: 116764
10 x 11 inches
Paperback 2009
\$24.95 USD 72 pages

GIS for Building and Managing Infrastructure

Esri

GIS for Building and Managing Infrastructure presents a collection of maps that showcase how GIS can be implemented to help develop, manage, and present infrastructure projects. This book demonstrates how GIS can aid processes and promote transparency by providing a single data source from which to work. Featuring maps from a range of technical support structures, including electric and gas utilities, public works, and renewable energy, this book is a reference for anyone involved in the infrastructure industry.

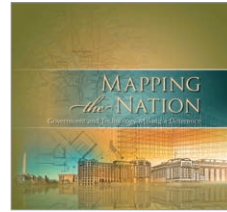
|| Atlases and Map Books continued



ISBN: 9781589483194
Part Number: 126987
11 x 10 inches
Paperback 2012
\$18.95 USD 108 pages

Mapping Census 2010: The Geography of American Change *Riley Peake, editor*

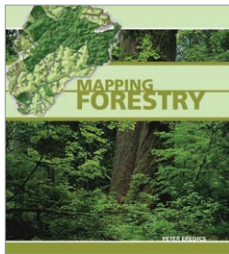
Mapping Census 2010: The Geography of American Change is an atlas of the American people—who we are and where we are. Using the latest census data and geographic information system technology, this atlas examines how our unique population is moving and changing. These large, full-color maps illustrate population density, age, and racial and ethnic composition with clarity. *Mapping Census 2010* is an invaluable resource for government officials, policy makers, and citizens interested in social change.



ISBN: 9781589483156
Part Number: 126722
11 x 10 inches
Paperback 2012
\$19.95 USD 128 pages

Mapping the Nation: Government and Technology Making a Difference *Esri*

Mapping the Nation: Government and Technology Making a Difference is a collection of GIS maps illustrating the many ways that federal government agencies rely on GIS analysis to help make the world a better place. Pulled from a broad range of agencies, the maps included in the book demonstrate how the technology can be used to evaluate and respond to social, economic, and environmental concerns at local, regional, national, and global levels.



ISBN: 9781589482098
Part Number: 111771
10 x 11 inches
Paperback 2010
\$12.95 USD 88 pages

Mapping Forestry *Peter Eredics*

Mapping Forestry describes how GIS software supports the business of forestry in today's era of economic changes, increased global competition, and diminishing resources. In scenarios from around the world, foresters share how they use GIS maps and analysis to manage commercial operations and sustainable stewardship. *Mapping Forestry* contains 20 chapters of full-color maps featuring detailed descriptions of the types of GIS analysis that they represent, making it an excellent reference for forestry professionals.

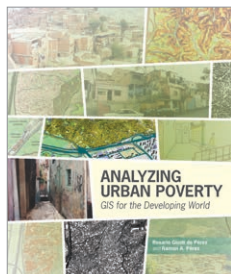


ISBN: 9781589480438
Part Number: 89904
11.5 x 17.5 inches
Hardcover 2002
\$79.95 USD 140 pages

Salton Sea Atlas *Redlands Institute, University of Redlands, editor*

The Salton Sea is a nexus of extraordinary social, political, and elemental forces. The diversity of competing interests in this unique Southern California ecosystem makes common understanding of the relationships among the natural environment, cultural context, and social values a paramount concern. *Salton Sea Atlas* presents an authoritative but accessible look at this unique inland sea—its physical geography, geological and cultural history, and fragile ecology.

Case Studies and Data Models for Industry



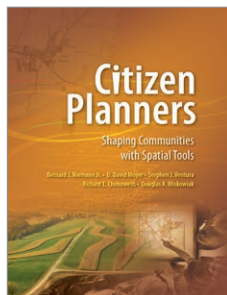
E-book

ISBN: 9781589483286
148 pages
2008
\$14.99 USD

Analyzing Urban Poverty:

GIS for the Developing World
*Rosario Giusti de Pérez and
Ramón A. Pérez*

In developing countries, squatter developments that house more than one-third of the urban population are without infrastructure and built from materials at hand. *Analyzing Urban Poverty: GIS for the Developing World* demonstrates how GIS can be used to improve the quality of life in poor urban areas. With 30 years of experience using GIS technology to manage urban problems in Venezuelan barrios, the authors describe how they developed sustainable solutions that go beyond conventional planning programs.



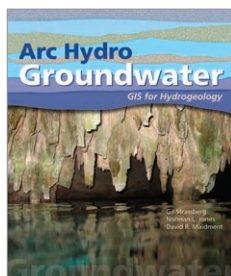
E-book

ISBN: 9781589482883
393 pages
2010
\$19.99 USD

Citizen Planners:

Shaping Communities with Spatial Tools
*Bernard J. Niemann, D. David Moyer,
Stephen J. Ventura, Richard E. Chenoweth,
and Douglas A. Miskowiak*

This book describes how geographic information systems can be made accessible to ordinary citizens with little or no professional training to help them plan and shape their local communities. The book focuses on the efforts of a group of Wisconsin citizens from all backgrounds who pushed for legislation that resulted in the GIS-based Wisconsin Land Information Program. The authors share the ideas, observations, experiences, and outcomes from this comprehensive effort.

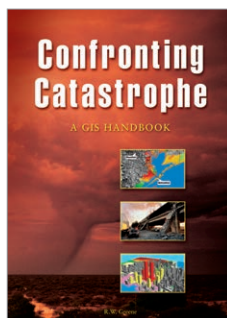


ISBN: 9781589481985
Part Number: 108893
7.5 x 9 inches
Paperback 2011
\$64.95 USD 176 pages

Arc Hydro Groundwater:

GIS for Hydrogeology
*Gil Strassberg, Norman L. Jones, and
David R. Maidment*

Arc Hydro Groundwater describes the groundwater data model, a new geodatabase design for representing groundwater systems using ArcGIS software. The groundwater data model shares a common framework with the surface water data model, Arc Hydro. Examples illustrating concepts and uses of the data model for management, visualization, and analysis make this book an invaluable resource.

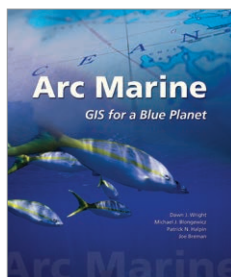


ISBN: 9781589480407
Part Number: 89531
6.5 x 9 inches
Paperback 2002
\$14.95 USD 156 pages

Confronting Catastrophe:

A GIS Handbook
R. W. Greene

Using real-world lessons, *Confronting Catastrophe* demonstrates how the digital mapping and analysis tools of GIS technology can be critical for comprehensive preparation and quick response to disastrous events. This is an essential, hands-on manual for GIS practitioners and decision makers alike whose communities face the threat of large-scale disasters.

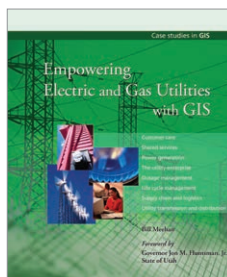


ISBN: 9781589480179
Part Number: 102975
7.5 x 9 inches
Paperback 2007
\$47.95 USD 216 pages

Arc Marine:

GIS for a Blue Planet
*Dawn J. Wright, Michael J. Blongewicz,
Patrick N. Halpin, and Joe Breman*

Arc Marine: GIS for a Blue Planet presents the initial results of a successful effort to create and define a data model for the marine community. The data model not only provides structure for storing and analyzing marine data but also helps users create maps and 3D scenes of the marine environment in ways invaluable to decision making.



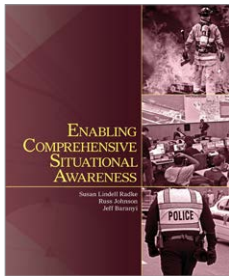
ISBN: 9781589480254
Part Number: 94784
7.5 x 9 inches
Paperback 2007
\$34.95 USD 225 pages

Empowering Electric and Gas Utilities with GIS

Bill Meehan

Electric and gas utilities shoulder enormous responsibilities to their customers, shareholders, government regulators, and the environment, ever aware of the critical role they play in keeping homes heated, factories running, and cities illuminated. An enterprise GIS can transform utilities by raising efficiency and lowering costs while enhancing communication and decision-making processes. *Empowering Electric and Gas Utilities with GIS* details the dramatic difference an enterprise GIS can make to a power provider of any size.

Case Studies and Data Models for Industry continued



ISBN: 9781589483064
Part Number: 124362
7.5 x 9 inches
Paperback 2013
\$18.95 USD 204 pages

Enabling Comprehensive Situational Awareness

Susan Lindell Radke, Russ Johnson, and Jeff Baranyi

This book explains how and why an emergency management common operating platform integrated with a GIS can help save lives and mitigate loss during crises and disasters. It also explains how the platform gives decision makers the overview necessary to coordinate efforts across agencies and jurisdictions and develop collaborative mitigation and recovery plans. An implementation guide for building a GIS in a common operating platform is included.



ISBN: 9781589481428
Part Number: 100709
9 x 7.5 inches
Paperback 2006
\$24.95 USD 208 pages

GIS for Environmental Management

Robert Scally

In *GIS for Environmental Management*, Robert Scally has compiled the firsthand experiences of scientists and GIS experts throughout the world to examine how dedicated environmental professionals use GIS technology to preserve and renew critical ecosystems to benefit wildlife as well as human lives. Biologists, geologists, conservationists, and others responsible for managing and protecting the environment increasingly rely on GIS to deal with a range of environmental issues, including biodiversity and pollution, coastal zone management, and change detection.

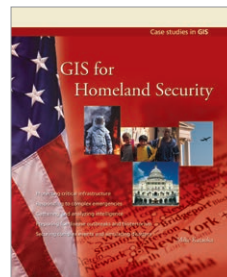


ISBN: 9781589483163
Part Number: 126723
10 x 8 inches
Paperback 2012
\$19.95 USD 160 pages

Geodesign:

Case Studies in Regional and Urban Planning
Shannon McElvaney

This book features case studies in geodesign—an emerging concept in landscape and land planning in which designers use geospatial tools that support rapid evaluation of design alternatives against the probable impacts of those designs. It also provides a framework for exploring local issues from an interdisciplinary point of view and for resolving conflicts between alternative or competing values. This book presents several case studies that exemplify key steps, processes, and technologies crucial to the advancement of geodesign.



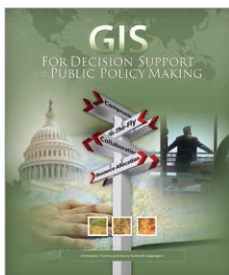
Print
ISBN: 9781589481558
Part Number: 102980
7.5 x 9 inches
Paperback 2007
\$24.95 USD 150 pages

GIS for Homeland Security

Mike Kataoka

GIS for Homeland Security provides general overviews of how GIS technology is used for gathering and analyzing intelligence, protecting critical infrastructure, responding to complex emergencies, preparing for disease outbreaks and bioterrorism, securing complex events, and simulating disasters. A final chapter looks ahead at the growing role of GIS in homeland security. Each chapter includes three case studies that illuminate the topic with specific real-world examples.

E-book
ISBN: 9781589482906
\$4.99 USD

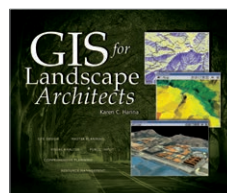


ISBN: 9781589482319
Part Number: 113178
7.5 x 9 inches
Paperback 2009
\$24.95 USD 204 pages

GIS for Decision Support and Public Policy Making

Christopher Thomas and Nancy Humenik-Sappington

Elected officials and department heads are increasingly relying on GIS technology to make efficient and accurate decisions when and where it counts. *GIS for Decision Support and Public Policy Making* presents 27 case studies and eight exercises that demonstrate the positive impact of incorporating GIS methodology in daily operations of the public sector. Discover how GIS has improved communication, collaboration, and decision making in the organizations featured in this book.

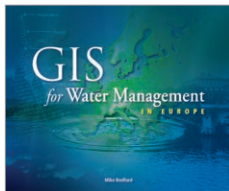


ISBN: 9781879102644
Part Number: 94302
9 x 7.5 inches
Paperback 1999
\$19.95 USD 122 pages

GIS for Landscape Architects

Karen C. Hanna

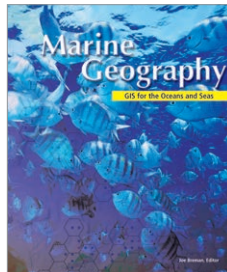
GIS for Landscape Architects proves that GIS technology is no longer the exclusive realm of geographers and scientists. Using GIS to create visual frameworks for gathering, interpreting, and sharing spatial data and information has helped the landscape professionals featured in this book accomplish a wide range of challenging goals. The case studies in this volume demonstrate how GIS technology can be applied to the preparation of a comprehensive plan for a historic streetscape, the creation of a site design for a major vacation resort, and the successful design and management of a recreation area, among other tasks.



ISBN: 9781589480766
Part Number: 93590
9 x 7.5 inches
Paperback 2004
\$19.95 USD 156 pages

GIS for Water Management in Europe
Mike Bedford

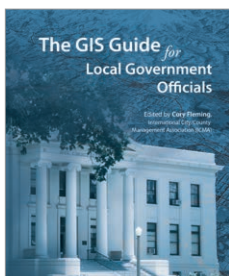
On the European continent, a common physical geography means common problems in natural resources and environmental management that require a unified approach to finding solutions. Nations already geographically unified are becoming even more closely bound in other ways: administratively, politically, and economically. The case studies examined in *GIS for Water Management in Europe* recount the myriad imaginative ways that European organizations, agencies, and governments are using GIS technology to bring unity to a diverse group of problems.



ISBN: 9781589480452
Part Number: 90014
7.5 x 9 inches
Paperback 2002
\$24.95 USD 224 pages

Marine Geography:
GIS for the Oceans and Seas
Joe Breman, editor

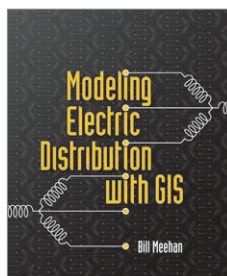
Featuring real-world examples from the ocean trenches, this collection of articles by leading ocean researchers and marine biologists shows some of the many ways that GIS technology is contributing to our understanding of the underwater environment. From improving oil spill response and mapping marine biodiversity to protecting at-risk coastal areas and improving navigation safety in crowded sea-travel corridors, *Marine Geography* illustrates how digital mapping and spatial analysis can serve as the integrating technology that allows various stakeholders to communicate in a common language.



ISBN: 9781589481411
Part Number: 97236
7.5 x 9 inches
Paperback 2005
\$24.95 USD 182 pages

The GIS Guide for Local Government Officials
Cory Fleming, editor

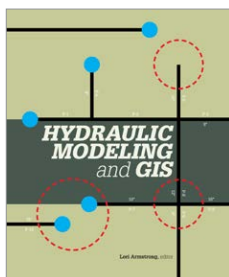
In *The GIS Guide for Local Government Officials*, municipal GIS experts suggest practical approaches for incorporating mapping technology to help local governments deliver services and determine policies while managing an information overload. To meet this challenge, local governments are increasingly turning to GIS technology to coordinate resources, save tax dollars, and plan for the future. Case studies drawn from throughout North America illustrate how officials have successfully applied GIS to their specific needs.



ISBN: 9781589482418
Part Number: 114758
7.5 x 9 inches
Paperback 2013
\$42.95 USD 334 pages

Modeling Electric Distribution with GIS
Bill Meehan

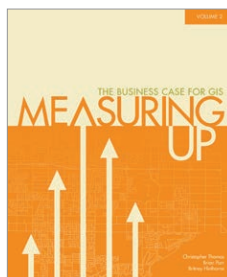
Modeling Electric Distribution with GIS shows why the successful implementation of an enterprise GIS in the electric distribution industry is based on a sound and thorough data model. The book's mix of technical information and best practices is valuable for GIS managers, business executives, and information technology managers.



ISBN: 9781589483019
Part Number: 123972
7.5 x 9 inches
Paperback 2011
\$11.95 USD 82 pages

Hydraulic Modeling and GIS
Lori Armstrong, editor

GIS and hydraulic modeling are complementary technologies. By integrating them, water utility companies can reap substantial time and cost savings. A well-designed integration of the two systems provides ready access to mission-critical data. As a result, risk-of-failure analysis, repair and replacement, capacity assessment, capital improvement planning, and numerous other water utility applications run more efficiently and more effectively. *Hydraulic Modeling and GIS* identifies the challenges that must be navigated and offers best practices for achieving an integration that will be sustainable over the long term.

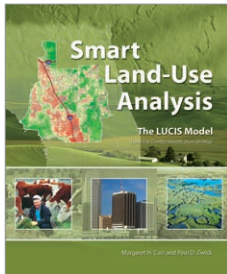


ISBN: 9781589483101
Part Number: 125833
7.5 x 9 inches
Paperback 2012
\$19.95 USD 128 pages

Measuring Up:
The Business Case for GIS, Volume 2
Christopher Thomas, Brian Parr, and Britney Hinthorne

This is a collection of real-world stories from government agencies that have successfully used GIS technology to meet business goals. Chapters focus on how implementing automated GIS workflow and resource management solutions helps organizations save time and money, increase accuracy and efficiency, and maximize productivity and revenue. The articles illustrate how GIS is being utilized to implement new, more efficient business processes and show how these emerging practices have improved communities and organizations.

Case Studies and Data Models for Industry continued



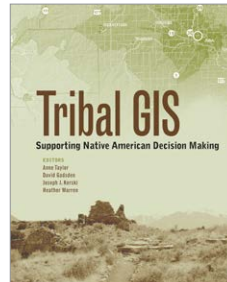
ISBN: 9781589481749
Part Number: 102581
7.5 x 9 inches
Paperback with data DVD
2007
\$49.95 USD 292 pages

Smart Land-Use Analysis:

The LUCIS Model

Margaret H. Carr and Paul D. Zwick

An indispensable guide for land-use planners, analysts, and students, *Smart Land-Use Analysis* provides the information needed to understand and implement the innovative analysis model developed by the authors. The land-use conflict identification strategy (LUCIS) model uses the ArcGIS geoprocessing framework, particularly ModelBuilder, to analyze suitability and preference for major land-use categories, determine potential future conflict among the categories, and build future land-use scenarios.



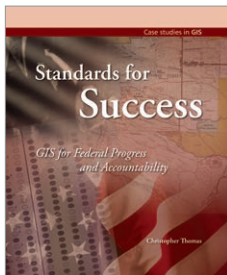
ISBN: 9781589483200
Part Number: 126988
8 x 10 inches
Paperback 2012
\$19.95 USD 174 pages

Tribal GIS:

Supporting Native American Decision Making

Anne Taylor, David Gadsden, Joseph J. Kerski, and Heather Warren, editors

Tribal leaders tell their stories about implementing and using GIS technology to address their unique challenges as sovereign nations. This book covers applications in natural resources and the environment, transportation, cultural and historical preservation, economic development, health, education, public safety, and agriculture.



Print

ISBN: 9781589480476
Part Number: 103016
7.5 x 9 inches
Paperback 2006
\$24.95 USD 112 pages

E-book

ISBN: 9781589482968
\$4.99 USD

Standards for Success:

GIS for Federal Progress and Accountability

Christopher Thomas

With the proven track record of GIS in providing high returns on investment, *Standards for Success* demonstrates how federal government agencies are using this powerful technology to streamline business processes, foster collaboration and communication, provide sound decision support, and optimize resource management. GIS plays an invaluable role in making government more effective and efficient. The powerful examples in this book make it easy to understand why.

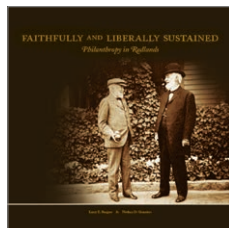
|||| Nontechnical



ISBN: 9781589482531
Part Number: 117035
10 x 10 inches
Hardcover 2010
\$40.00 USD 264 pages

Botanical Serigraphs: The Gene Bauer Collection *Gene Bauer*

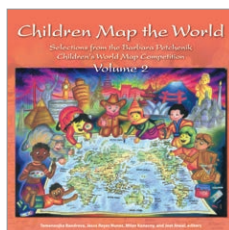
Botanical Serigraphs: The Gene Bauer Collection features serigraphs and narrative text from handcrafted, limited-edition booklets about arboreta and gardens throughout the state of California. As an avid member of the California Garden Club in the 1970s, Bauer dedicated herself to creating a series of booklets to capture the experience of touring gardens found in the club's districts. Bauer's attention to detail and keen sense for the extraordinary make this book an excellent gift for artists and garden enthusiasts alike.



E-book
ISBN: 9781589482937
\$1.99 USD

Faithfully and Liberally Sustained: Philanthropy in Redlands *Larry E. Burgess and Nathan D. Gonzales*

Redlands, known as the jewel of Southern California's Inland Empire, has prospered as the result of a strong tradition of civic responsibility. *Faithfully and Liberally Sustained* presents this rich tradition through stunning historical photographs, engaging narrative, and compelling commentary from citizens who continue to serve the community. Redlands archivists Larry E. Burgess and Nathan D. Gonzales vividly recount the stories behind the gifts that make Redlands a testament to the continuing spirit of philanthropy.



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Temenoujka Bandrova, Jesus Reyes Nunez, Milan Konecny, and Jeet Atwal, editors

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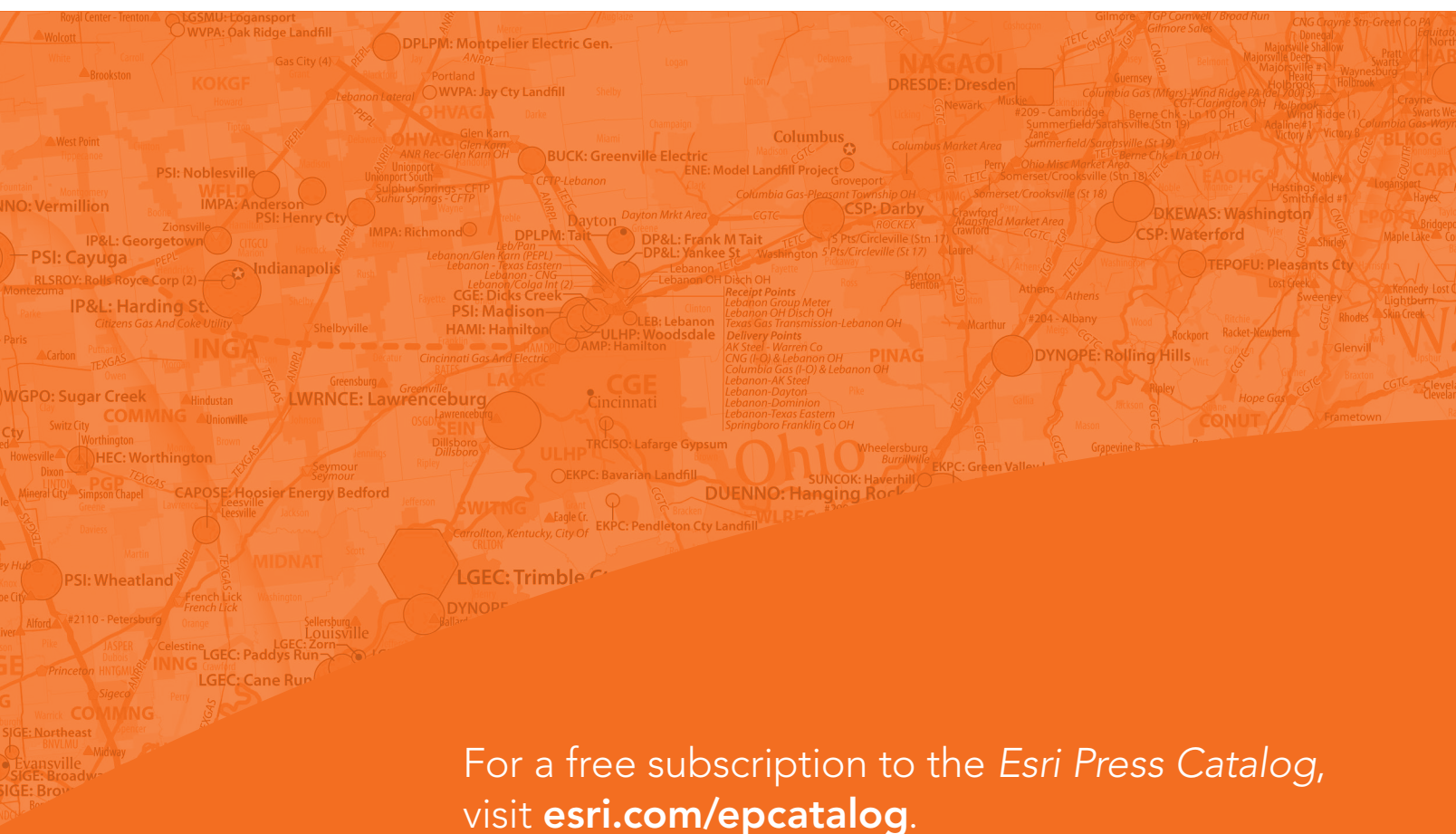
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