



Understanding GIS: An ArcGIS Project Workbook

By Christian Harder, Tim Ormsby, Thomas Balstrom

[Download now](#)

[Read Online](#) 

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom

Learn the geographic approach to solving problems.

Understanding GIS: An ArcGIS Project Workbook explains the methods, tools, and processes needed to apply full-scale GIS analysis to a spatially based problem. This book lets you assume the role of a GIS analyst challenged with finding the best location for a new park along the Los Angeles River in Southern California. The problem is complex: you need vacant land that's close to the river in park-poor urban neighborhoods with lots of families. The book provides the starting data and guidance you need to perform a complete GIS analysis: explore the study area; evaluate the data; build a database; process, edit, and analyze the data; model alternative outcomes; map your findings; and share your results on interactive web maps. Through this process, you develop critical-thinking and geographic problem-solving skills. You also learn to use ArcGIS® Desktop 10 software from Esri®.

Understanding GIS: An ArcGIS Project Workbook includes valuable learning materials:

- Self-paced tutorials. The project is carried out progressively in nine lessons comprising more than thirty exercises. Each exercise has step-by-step instructions, graphics to confirm your results, and explanations of key concepts.
- ArcGIS Desktop 10 software. The book includes access to a 90-day software trial to perform the analysis. The book's DVD includes starting data for the project.
- An online Understanding GIS Resource Center includes the book's final lesson in PDF format, GIS TV videos that walk you through the exercises in real time, exercise results for each lesson, and more. This book teaches students how to practice GIS by planning and carrying out a complex GIS project.

This book is divided into two parts: the first part explains key concepts and offers exercises covering a range of functionality (for example, geographic data management, visualization, editing, map production). The second part consists of

a series of related exercises organized around a Los Angeles River project. The phases of the project involve building a robust geodatabase that will support a variety of possible GIS uses; conducting a site-selection analysis (locating a new park along the river); and creating a map layout to support and explain the analysis, and share results.

 [Download Understanding GIS: An ArcGIS Project Workbook ...pdf](#)

 [Read Online Understanding GIS: An ArcGIS Project Workbook ...pdf](#)

Understanding GIS: An ArcGIS Project Workbook

By Christian Harder, Tim Ormsby, Thomas Balstrom

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom

Learn the geographic approach to solving problems.

Understanding GIS: An ArcGIS Project Workbook explains the methods, tools, and processes needed to apply full-scale GIS analysis to a spatially based problem. This book lets you assume the role of a GIS analyst challenged with finding the best location for a new park along the Los Angeles River in Southern California. The problem is complex: you need vacant land that's close to the river in park-poor urban neighborhoods with lots of families. The book provides the starting data and guidance you need to perform a complete GIS analysis: explore the study area; evaluate the data; build a database; process, edit, and analyze the data; model alternative outcomes; map your findings; and share your results on interactive web maps. Through this process, you develop critical-thinking and geographic problem-solving skills. You also learn to use ArcGIS® Desktop 10 software from Esri®.

Understanding GIS: An ArcGIS Project Workbook includes valuable learning materials:

- Self-paced tutorials. The project is carried out progressively in nine lessons comprising more than thirty exercises. Each exercise has step-by-step instructions, graphics to confirm your results, and explanations of key concepts.
- ArcGIS Desktop 10 software. The book includes access to a 90-day software trial to perform the analysis. The book's DVD includes starting data for the project.
- An online Understanding GIS Resource Center includes the book's final lesson in PDF format, GIS TV videos that walk you through the exercises in real time, exercise results for each lesson, and more. This book teaches students how to practice GIS by planning and carrying out a complex GIS project.

This book is divided into two parts: the first part explains key concepts and offers exercises covering a range of functionality (for example, geographic data management, visualization, editing, map production). The second part consists of a series of related exercises organized around a Los Angeles River project. The phases of the project involve building a robust geodatabase that will support a variety of possible GIS uses; conducting a site-selection analysis (locating a new park along the river); and creating a map layout to support and explain the analysis, and share results.

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom
Bibliography

- Sales Rank: #846823 in Books
- Brand: Brand: ESRI Press
- Published on: 2011-07-01
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 9.58" h x .96" w x 7.89" l, 2.48 pounds

- Binding: Paperback
- 378 pages

 [**Download** Understanding GIS: An ArcGIS Project Workbook ...pdf](#)

 [**Read Online** Understanding GIS: An ArcGIS Project Workbook ...pdf](#)

Download and Read Free Online Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom

Editorial Review

About the Author

Christian Harder is a writer at Esri and author of a number of case study books on GIS.

Tim Ormsby is a technical writer at Esri and has created and contributed to ArcGIS training courses for both the classroom and online learning. Ormsby coauthored Esri Press's best-selling workbook *Getting to Know ArcGIS Desktop* (Esri Press 2010).

Thomas Balstrøm is the coauthor of the Danish-language *Book of GIS and Geodata*. He worked for two decades as an associate professor in GIS and physical geography at University of Copenhagen, Denmark, and is now a freelance GIS consultant.

Users Review

From reader reviews:

Lisa Morgan:

Spent a free time to be fun activity to try and do! A lot of people spent their down time with their family, or their own friends. Usually they carrying out activity like watching television, about to beach, or picnic inside the park. They actually doing same task every week. Do you feel it? Do you want to something different to fill your own personal free time/ holiday? Could be reading a book is usually option to fill your free time/ holiday. The first thing you will ask may be what kinds of guide that you should read. If you want to try look for book, may be the book untitled Understanding GIS: An ArcGIS Project Workbook can be excellent book to read. May be it may be best activity to you.

Ardith Bobo:

Do you have something that you like such as book? The reserve lovers usually prefer to choose book like comic, brief story and the biggest an example may be novel. Now, why not trying Understanding GIS: An ArcGIS Project Workbook that give your fun preference will be satisfied simply by reading this book. Reading habit all over the world can be said as the opportunity for people to know world far better then how they react when it comes to the world. It can't be mentioned constantly that reading practice only for the geeky man or woman but for all of you who wants to become success person. So , for every you who want to start looking at as your good habit, you may pick Understanding GIS: An ArcGIS Project Workbook become your current starter.

Steven Strong:

You may spend your free time you just read this book this publication. This Understanding GIS: An ArcGIS Project Workbook is simple to create you can read it in the playground, in the beach, train in addition to

soon. If you did not have got much space to bring often the printed book, you can buy the particular e-book. It is make you quicker to read it. You can save the particular book in your smart phone. Therefore there are a lot of benefits that you will get when you buy this book.

Karina McDermott:

Publication is one of source of information. We can add our understanding from it. Not only for students but also native or citizen will need book to know the upgrade information of year in order to year. As we know those guides have many advantages. Beside many of us add our knowledge, can bring us to around the world. Through the book Understanding GIS: An ArcGIS Project Workbook we can acquire more advantage. Don't one to be creative people? To become creative person must want to read a book. Merely choose the best book that acceptable with your aim. Don't end up being doubt to change your life at this time book Understanding GIS: An ArcGIS Project Workbook. You can more appealing than now.

Download and Read Online Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom #7GNVWZX186P

Read Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom for online ebook

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom books to read online.

Online Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom ebook PDF download

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom Doc

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom MobiPocket

Understanding GIS: An ArcGIS Project Workbook By Christian Harder, Tim Ormsby, Thomas Balstrom EPub