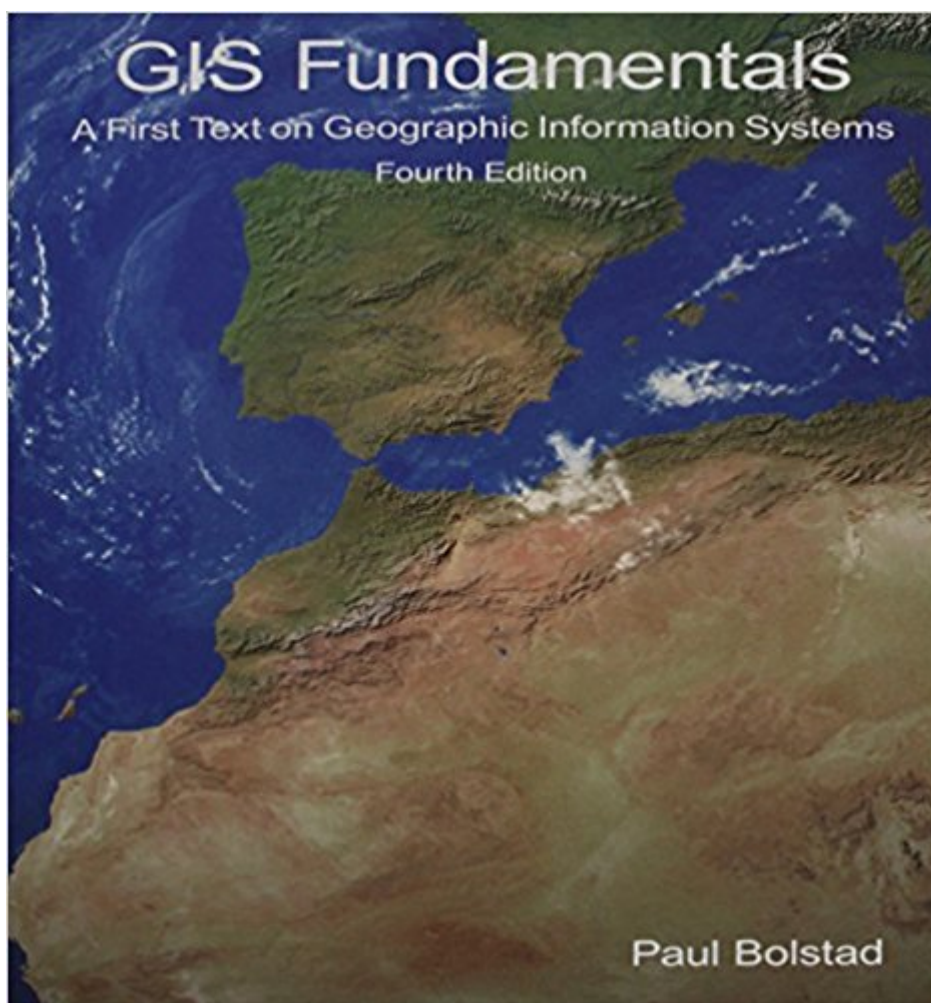The book was found

GIS Fundamentals: A First Text On Geographic Information Systems, 4th Edition

Synopsis

Geographic Information Systems (GIS) are computer-based tools for the entry, maintenance, and analysis of spatial data. GIS are critical for effective resource management, and have been applied across a wide range of science, business, and government endeavors This book provides an introduction to the theory and application of GIS. It is written for use in an introductory GIS class and as a reference for the GIS practitioner.This fourth edition balances theoretical and applied material, so that students may apply knowledge of GIS in the solution of real-world problems. Topics treated include an introduction to GIS, spatial data models, map projections, data entry, image data, GPS, digital data, database systems in GIS, general spatial analysis, raster analysis, terrain modeling, metadata, standards, and accuracy assessments. Updates in the 4th edition include over 80 new pages, over 40 modified or new figures, and heavily updated sections on new datums, digital data, GNSS/GPS modernization, table selection and joins, simple spatial analysis, and terrain analysis.

Book Information

Paperback: 688 pages

Publisher: XanEdu Publishing Inc; 4 edition (March 31, 2012)

Language: English

ISBN-10: 0971764735

ISBN-13: 978-0971764736

Product Dimensions: 9.8 x 6.9 x 1.7 inches

Shipping Weight: 3.2 pounds

Average Customer Review: 4.2 out of 5 stars   29 customer reviews

Best Sellers Rank: #36,440 in Books (See Top 100 in Books)   #10 inÃ Â Books > Science & Math > Earth Sciences > Geography > Information Systems   #135 inÃ Â Books > Textbooks > Science & Mathematics > Earth Sciences

Customer Reviews

Paul Bolstad is a professor at the University of Minnesota Twin Cities. He has 26 years of experience teaching, using, and researching GIS for industry, education, and government. His teaching focuses on spatial data collection and environmental analysis. Recent research has examined water and carbon cycling, and the development and application of remote sensing and spatial analysis to quantify vegetation structure and human landscape disturbances.

Don't you just hate it when there is NO information on a book? Thus I spell out the contents

here:ÃƒÂ¢Ã¢ â¬Ã Â¢An introduction to GISÃƒÂ¢Ã¢ â¬Ã Â¢Data modelsÃƒÂ¢Ã¢ â¬Ã Â¢Geodesy, datums, map projections, and coordinate systemsÃƒÂ¢Ã¢ â¬Ã Â¢Maps, data entry and editingÃƒÂ¢Ã¢ â¬Ã Â¢Global navigation satellite systems and coordinate surveyingÃƒÂ¢Ã¢ â¬Ã Â¢Aerial and satellite imagesÃƒÂ¢Ã¢ â¬Ã Â¢Digital dataÃƒÂ¢Ã¢ â¬Ã Â¢Attribute data and tablesÃƒÂ¢Ã¢ â¬Ã Â¢Basic spatial analysisÃƒÂ¢Ã¢ â¬Ã Â¢Topics in raster analysisÃƒÂ¢Ã¢ â¬Ã Â¢Terrain analysisÃƒÂ¢Ã¢ â¬Ã Â¢Spatial estimation : interpolation, prediction, and core area delineationÃƒÂ¢Ã¢ â¬Ã Â¢Spatial models and modellingÃƒÂ¢Ã¢ â¬Ã Â¢Data standards and qualityÃƒÂ¢Ã¢ â¬Ã Â¢New developments in GISÃƒÂ¢Ã¢ â¬Ã Â¢Appendix A. GlossaryÃƒÂ¢Ã¢ â¬Ã Â¢Appendix B. Sources of geographic informationÃƒÂ¢Ã¢ â¬Ã Â¢Appendix C. Useful conversions and informationÃƒÂ¢Ã¢ â¬Ã Â¢Appendix D. Answers to selected study questions.Supplemental linksTotal pages are 674. I hope that this helps.

As a GIS technician, I still think Bolstad is the master. He really explains everything conceptually so the information sticks, and activities provided with this book are so informative. I learned more from this book and its attached activities than from anywhere else. This is a great book, and I think all colleges with GIS should teach at least one class from this book.

Bolstad "GIS Fundamentals" teaches GIS competency. While this is not a textbook those who do not need complete, comprehensive understanding of geospatial science, it is the text book of choice for those who do. We teach the U.S. Geospatial Technical Competency Model (GTCM) for ten courses in Geospatial Science. The Bolstad text provides thorough discussion of the principles and practice of GIS for which we apply the same text to three GIS courses. Text content is well organized including GIS components, data models, coordinate systems, data entry and editing, GNSS, satellite and aerial imagery, geospatial data resources and spatial data formats, attributes and tables, spatial analysis, spatial statistics, spatial data modeling and data standards and quality. This text book is well suited to instructors who want to convey professional geospatial understanding to their students.

This book was recommended by my professor in Penn State GIS program. I like the way it's written. For a textbook this was super-affordable. Unlike some others who posted here, the choice of typeface in the graphics and captions does not bother me. Glad I picked up this text.

A good book for GIS basics. It has a lot of pictures, graphs, and other ways for illustrating each chapter. It also affordable and arrived before it was expected.

This book was a great intro to how data is even created in GIS. The knowledge from this book is what you need to understand to be successful with any GIS program.

I received this book in excellent condition. The description on the product matched what I received. I have nothing bad to say about this product! Excellent!

A bit dense but if struggling with GIS worth it.

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