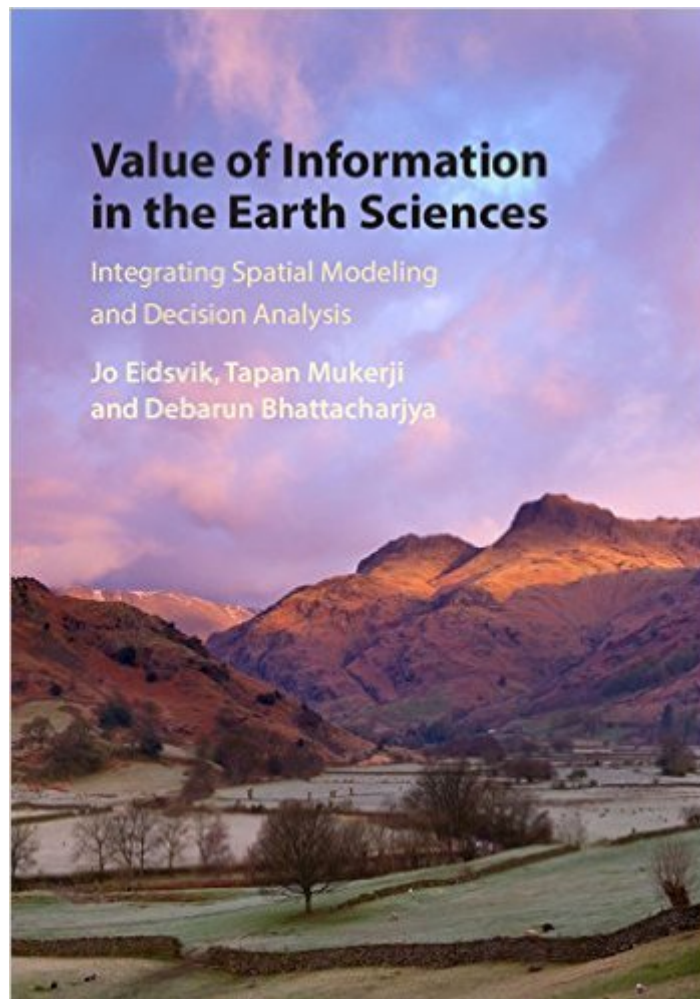


The book was found

# Value Of Information In The Earth Sciences: Integrating Spatial Modeling And Decision Analysis



## Synopsis

Gathering the right kind and the right amount of information is crucial for any decision-making process. This book presents a unified framework for assessing the value of potential data gathering schemes by integrating spatial modelling and decision analysis, with a focus on the Earth sciences. The authors discuss the value of imperfect versus perfect information, and the value of total versus partial information, where only subsets of the data are acquired. Concepts are illustrated using a suite of quantitative tools from decision analysis, such as decision trees and influence diagrams, as well as models for continuous and discrete dependent spatial variables, including Bayesian networks, Markov random fields, Gaussian processes, and multiple-point geostatistics. Unique in scope, this book is of interest to students, researchers and industry professionals in the Earth and environmental sciences, who use applied statistics and decision analysis techniques, and particularly to those working in petroleum, mining, and environmental geoscience.

## Book Information

Hardcover: 396 pages

Publisher: Cambridge University Press; 1 edition (January 13, 2016)

Language: English

ISBN-10: 1107040264

ISBN-13: 978-1107040267

Product Dimensions: 6.8 x 0.9 x 9.7 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,737,479 in Books (See Top 100 in Books) #469 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Mining #477 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Petroleum #2365 in Books > Textbooks > Science & Mathematics > Environmental Studies

[Download to continue reading...](#)

Value of Information in the Earth Sciences: Integrating Spatial Modeling and Decision Analysis  
Ecocriticism and Geocriticism: Overlapping Territories in Environmental and Spatial Literary Studies  
(Geocriticism and Spatial Literary Studies) Water Histories and Spatial Archaeology: Ancient Yemen  
and the American West GIS Tutorial 2: Spatial Analysis Workbook Craniosacral Chi Kung:  
Integrating Body and Emotion in the Cosmic Flow Emotion Efficacy Therapy: A Brief,  
Exposure-Based Treatment for Emotion Regulation Integrating ACT and DBT The Anarchist Roots

of Geography: Toward Spatial Emancipation Sleisenger and Fordtran's Gastrointestinal and Liver Disease Review and Assessment (Sleisenger and Fordtrans Gastrointestinal and Liver) EXCEL: Strategic Use of the Calc Spreadsheet in Business Environment. Data Analysis and Business Modeling (Functions and Formulas, Macros, MS Excel 2016, Shortcuts, Microsoft Office) California MBE Questions, Answers and Analysis (1&2): California law students rely and depend on Value Bar Prep books! Critical Thinking: DontBeStupid.club Reveals 11 Principles for Problem Solving and Good Decision Making Clinical Decision Support Systems: Theory and Practice (Health Informatics) Integrating LibGuides into Library Websites (LITA Guides) Reference and Information Services: An Introduction, 5th Edition (Library and Information Science Text) Libraries in the Information Age: An Introduction and Career Exploration, 3rd Edition (Library and Information Science Text) 3D Modeling For Beginners: Learn everything you need to know about 3D Modeling! Square Foot Gardening High-Value Veggies: Homegrown Produce Ranked by Value (All New Square Foot Gardening) Eat Fat and Get Thin, Fit, and Healthier Than Ever Before!: Easy Diet and Delicious Cookbook: Recipes for Dramatic and Sustainable Weight Loss (Includes 21 Day Meal Plan) Best Plants for New Mexico Gardens and Landscapes: Keyed to Cities and Regions in New Mexico and Adjacent Areas, Revised and Expanded Edition Amino Acids: The Way to Health and Wellness: Find Health and Healing from Depression, Addictions, Obesity, Anxiety, Sexual Issues, and Fill Nutritional Needs of Vegetarian and Vegan Diets

[Dmca](#)