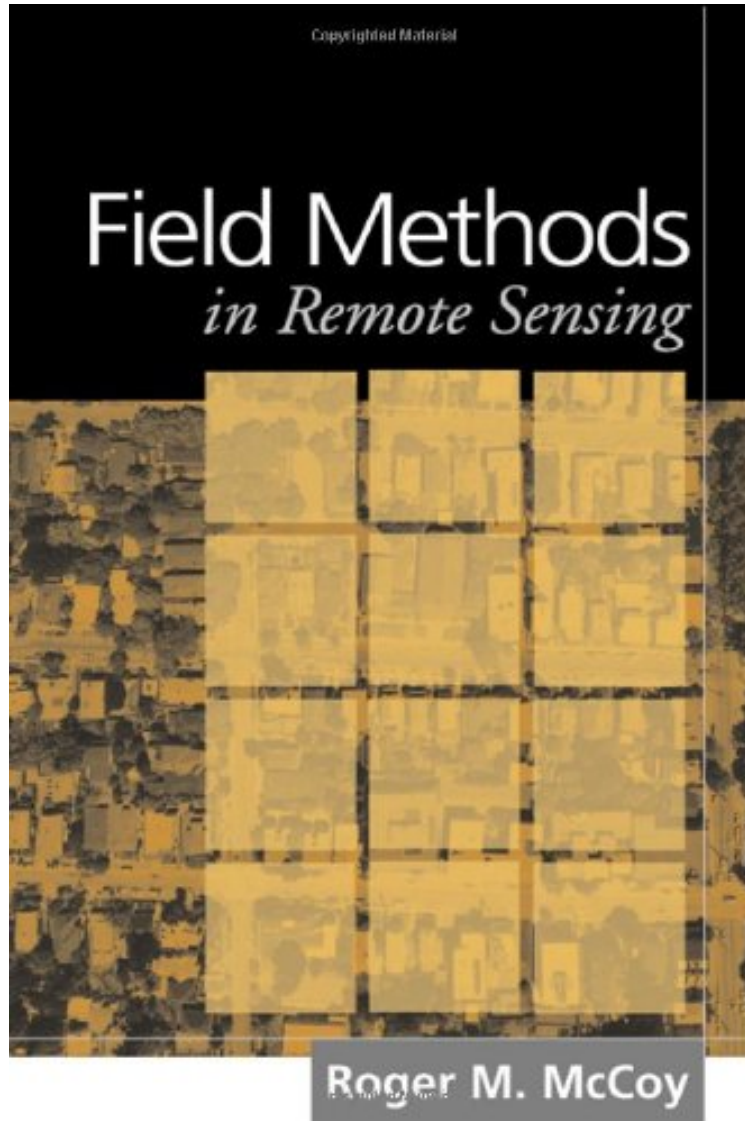


Field Methods in Remote Sensing

Roger M. McCoy PhD

**Download PDF / ePub / DOC / audiobook / ebooks*



DOWNLOAD



READ ONLINE

#1283683 in Books The Guilford Press 2004-11-11 Original language: English PDF # 1 9.00 x .50 x 6.021, .53
#File Name: 1593850794159 pages | File size: 78.Mb

Roger M. McCoy PhD : Field Methods in Remote Sensing before purchasing it in order to gage whether or not it would be worth my time, and all praised Field Methods in Remote Sensing:

2 of 2 people found the following review helpful. Field methods in Remote sensing By Edi151 This publication covers the basics of remote sensing field work. In this capacity it is a good introduction. Its limitation is that it doesn't cover the application of new technology to the computer to field work interface. For example, it doesn't cover the use of GPS units with online or postdifferential signal correction, the use of GPS embedded data dictionaries, and mobile devices running ArcMobile or ArcPad type software for field data collection. It would benefit a lot by revision to include the

ways in which these newer technologies can be used to increase the rigor of field data collection and to decrease the cost of field work.0 of 0 people found the following review helpful. The description and intention do not match the writeBy Federico MirandaThe book have some chapters that do not focus on a sujet of interest rather ir only develop well know concept0 of 0 people found the following review helpful. Remote sensing is one of the greatest tools that is available to everone.By wayne ChapmanI am reading this great book. My us of G P S is going to be a lot better.

This concise, much-needed guide takes readers step by step through planning and executing field work associated with many different types of remote sensing projects. Remote sensing texts and research reports typically focus on data-analytic techniques while offering a dearth of information on procedures followed in the field. In contrast, this book provides clear recommendations for defining field work objectives, devising a valid sampling plan, finding locations using GPS, and selecting and using effective measurement techniques for field reflectance spectra and for studies of vegetation, soils, water, and urban areas. Appendices feature sample field note forms, an extensive bibliography on advanced and specialized methods, and online metadata sources.

"Until now, there have been few and limited attempts to address the critical issue of field methods in remote sensing. This text is a welcome and needed addition to the field. It speaks to this gap in the literature of both remote sensing pedagogy and research methodology. Students and professionals alike should find its guidelines, bibliography, and sample field note forms most useful. I intend to use the text in my courses in advanced remote sensing and digital image analysis, for upper-level undergraduates and graduate students, respectively."--Floyd M. Henderson, Department of Geography, University at Albany, The State University of New York
"It is strange that no comprehensive publication on this important subject has appeared until now. Professionals and students will be indebted to McCoy for his explanations in plain English of the ins and outs of conducting field work for remote sensing projects, based on his years of practical experience. The book covers all areas of remote sensing where field work is required, ranging from biophysical to social applications. There are detailed discussions on the use of GPS, methods of sampling, and field spectroscopy, and the appendices are also particularly useful. Full of sound advice, this is an indispensable contribution for all those engaged in remote sensing. It will also serve as a text in undergraduate- and graduate-level field methods courses. I strongly recommend this book."--C. P. Lo, Department of Geography, University of Georgia
"This book fills a void that exists in other remote sensing texts. McCoy shows the reader how to collect ground reference information in support of remotely sensed data and offers helpful sample problems and solutions from his many years of experience in the field. I highly recommend this text as a complement to the standard remote sensing books for all graduate students who will be collecting ground reference (ground truth) data. In addition, professionals who use GPS, GIS, or remote sensing data will find this text to be a handy guide in improving the value of their field measurement and observations. This book should be a part of the library of anyone who uses remote sensing data."--Chris J. Johannsen, Department of Agronomy (Emeritus), Purdue University