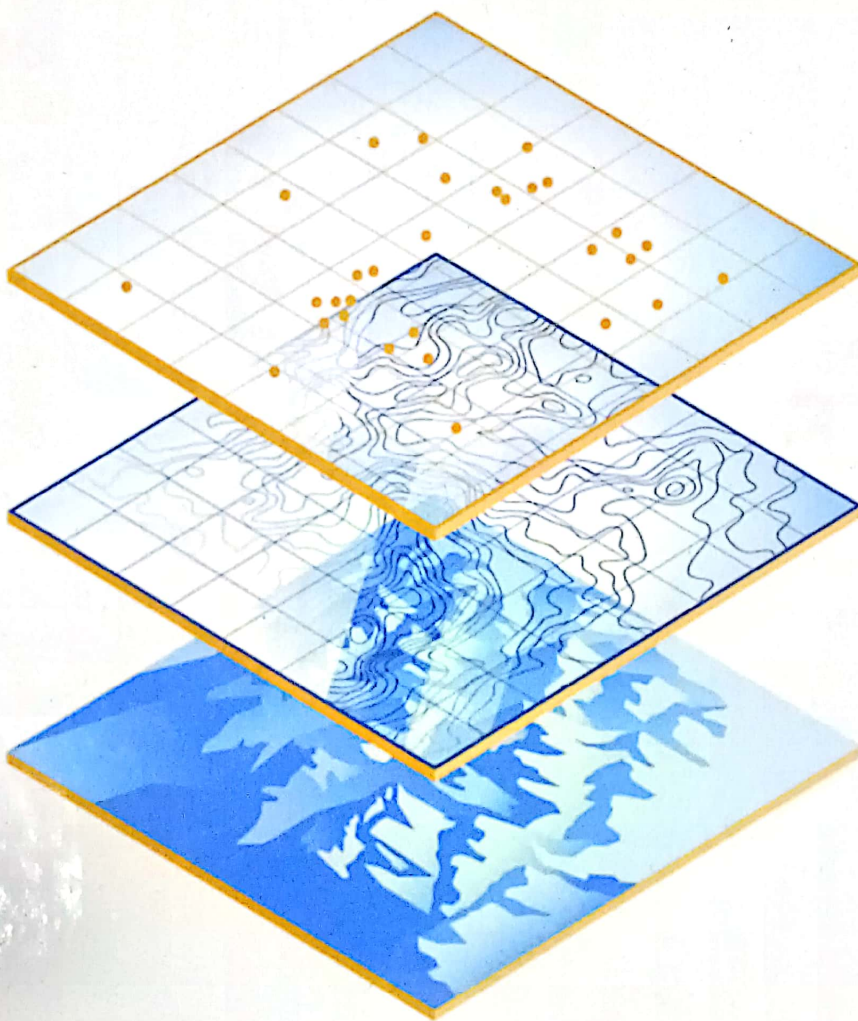


Spatial Analysis

Modeling and Trends



910.21

G1935 Sp



274934

Harry Garrison



Scanned with OKEN Scanner

Spatial Analysis: Modeling and Trends

1979
Access
Source
Bill No
Price
Centre
Acad
-

Editor: Harry Garrison

 MURPHY & MOORE
www.murphy-moorepublishing.com



910.21
G1935
Sp

Murphy & Moore Publishing,
1 Rockefeller Plaza,
New York City, NY 10020, USA

Visit us on the World Wide Web at:
www.murphy-moorepublishing.com

© Murphy & Moore Publishing, 2021

Jawaharlal Nehru University
Accession No. 271934.....
Source Kiyon Book Service.....
Bill No. & Date IN-00093-08-3-2024.....
Price \$ 118-00.....
Centre/School CSRD/SES.....
Accessioned by SIM.....
Catalogued by.....

This book contains information obtained from authentic and highly regarded sources. Copyright for all individual chapters remain with the respective authors as indicated. All chapters are published with permission under the Creative Commons Attribution License or equivalent. A wide variety of references are listed. Permission and sources are indicated; for detailed attributions, please refer to the permissions page and list of contributors. Reasonable efforts have been made to publish reliable data and information, but the authors, editors and publisher cannot assume any responsibility for the validity of all materials or the consequences of their use.

ISBN: 978-1-63987-502-3 (Hardback)

The publisher's policy is to use permanent paper from mills that operate a sustainable forestry policy. Furthermore, the publisher ensures that the text paper and cover boards used have met acceptable environmental accreditation standards.

Trademark Notice: Registered trademark of products or corporate names are used only for explanation and identification without intent to infringe.

Printed in the United States of America.

Cataloging-in-Publication Data

Spatial analysis : modeling and trends / edited by Harry Garrison.

p. cm.

Includes bibliographical references and index.

ISBN 978-1-63987-502-3

1. Spatial analysis (Statistics). 2. Geography--Statistical methods. I. Garrison, Harry.

G70.3 .S63 2021

910.21--dc23



910.21

G1935 Sp



271934



Table of Contents

Preface.....	VII
Chapter 1 Modelling Driving Forces of Urban Growth with Fuzzy Sets and GIS	1
Khalid Al-Ahmadi	
Chapter 2 Generating Reality with Geosimulation Models: An Agent-Based Social-Spatial Network Modelling Perspective	36
Andreas Koch	
Chapter 3 Quantification and Prediction of Land Consumption and its Climate Effects in the Rhineland Metropolitan Area Based on Multispectral Satellite Data and Land-Use Modelling 1975–2030	58
Andreas Rienow, Nora Jennifer Schneevoigt and Frank Thonfeld	
Chapter 4 Spatial Analysis, Modelling, and Planning	76
José António Tenedório and Jorge Rocha	
Chapter 5 Fusion Study of Geography and Environmental Engineering	89
Toshiaki Ichinose	
Chapter 6 Formal Urban Dynamics, Policy and Implications on Urban Planning: Perspectives on Kampala, Uganda	106
John J. Williams and Fred Bidandi	
Chapter 7 Political Economy and the Work of Kenneth Arrow	124
Norman Schofield	
Chapter 8 Risk Analysis and Land Use Planning	140
Valentina Svalova	
Chapter 9 Evaluating the Effectiveness of CCTV in Baltimore, Maryland	154
Brian Ways and Brooks C. Pearson	
Chapter 10 Absolute Density Measures Estimation Functions with Very High Resolution Satellite Images	170
Ana Cristina Gonçalves and Adélia M. O. Sousa	
Chapter 11 One World, One Health Challenge: The Holistic Understanding of Rickettsiosis Integrating Multi-Criteria Analysis Techniques and Spatial Statistics	188
Diego Montenegro, Ana Paula da Cunha, Ingrid Machado, Liliane Duraes, Stefan Vilges de Oliveira, Marcel Pedroso, Gilberto S. Gazêta and Reginaldo P. Brazil	

Chapter 12 **The Use of Photos of the Social Networks in Shaping a New Tourist Destination: Analysis of Clusters in a GIS Environment**
Hélder Tiago da Silva Lopes, Paula Cristina Almeida Cadima Remoaldo
and Vitor Ribeiro

Permissions

List of Contributors

Index