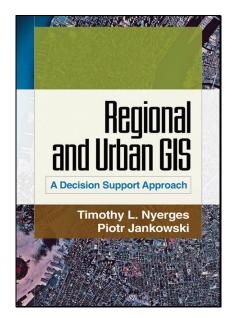
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Regional and Urban GIS A Decision Support Approach

Timothy L. Nyerges, University of Washington Piotr Jankowski, San Diego State University

"This book fills a void. It weaves theory and practice together, presenting an integrated view of the concepts, tools, and techniques involved in using GIS for public decision support within an urban-regional context. Including strong pedagogical features, the value of the content is very high for students, academics, and practitioners. The text takes complex subject areas and puts them into a form that students can understand, grasp, and master. No course in applied GIS and participatory planning should be without this book."

-Jacek Malczewski, University of Western Ontario, Canada

This unique text shows students and professionals how geographic information systems (GIS) can guide decision making about complex community and environmental problems. The authors' step-by-step introduction to GIS-based decision analysis methods and techniques covers important urban and regional issues (land, transportation, and water resource management) and decision processes (planning, improvement programming, and implementation). Real-world case studies demonstrate how GIS-based decision support works in a variety of contexts, with a special focus on community and regional sustainability management. Ideal for course use, the book reinforces key concepts with end-of-chapter review questions; illustrations include 18 color plates.

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