



**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

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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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