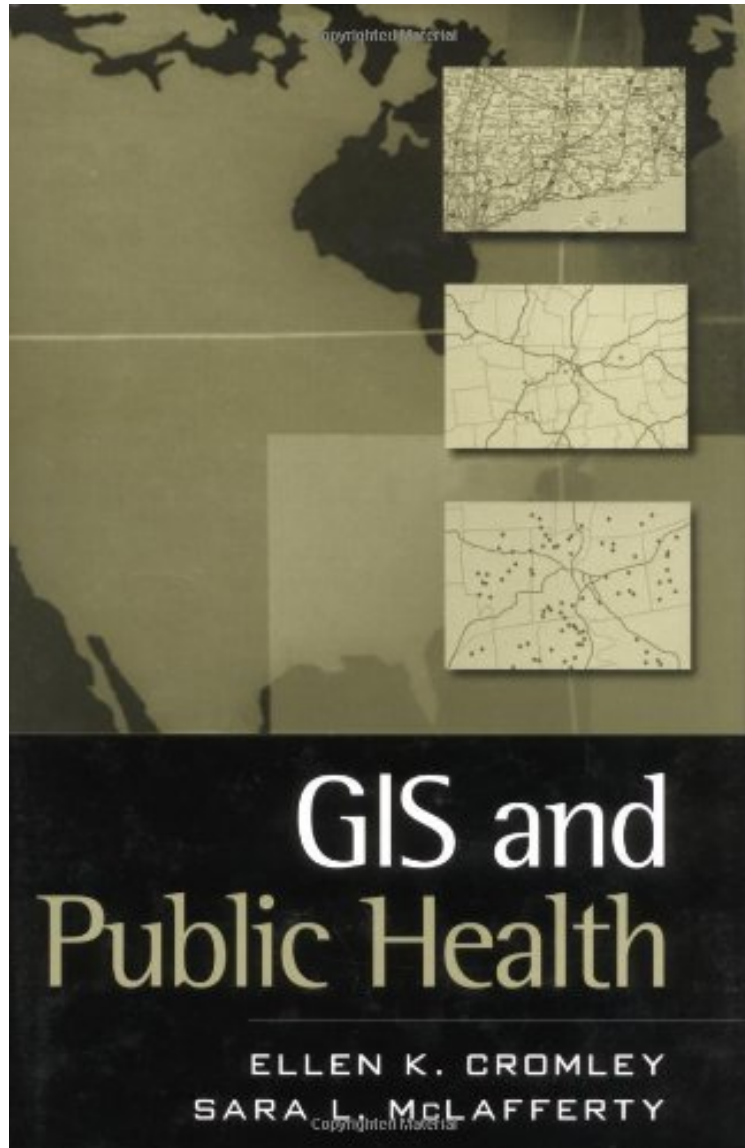


GIS and Public Health

Ellen K. Cromley PhD, Sara L. McLafferty, Ellen K. Cromley
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Ellen K. Cromley PhD, Sara L. McLafferty, Ellen K. Cromley : GIS and Public Health before purchasing it in order to gage whether or not it would be worth my time, and all praised GIS and Public Health:

0 of 0 people found the following review helpful. Excellent marriage of the topics of GIS and Public Health issuesBy Robert C.For the serious student wanting to learn how the topics of GIS and public health can be combined to increase understanding of a variety of health and environmental issues. Not a text for the student wanting to learn GIS - readers will need to acquire that skill elsewhere. Well written and easy to understand while exploring topics in depth.3 of 3

people found the following review helpful. gis and public healthBy omwamiAM A PHD STUDENT AND MY THESIS IS BASED ON USE OF SPATIAL MODELS FOR INDICATING HUMAN HEALTH RISK. THE MOMENT I RECEIVED THIS BOOK MY THESIS SHAPED UP AND NOW AM FOCUSED AND I KNOW WHAT AM DOING AND HOW MY STUDY IS GOING TO END. I NOW KNOW WHICH TYPE OF DATA TO COLLECT AND HOW TO MANIPULATE IT TOWARDS CONCLUSIONS. THANK YOU0 of 0 people found the following review helpful. Four StarsBy CustomerGreat addition to my office library; as a grad student, this was a necessary purchase.

This clearly written resource provides a comprehensive introduction to the use of geographic information systems (GIS) in analyzing and addressing public health problems. The book guides the reader through basic GIS concepts and methods, with an emphasis on practical applications. Described are ways that GIS can be used to map health events, identify disease clusters, investigate environmental health problems, understand the spread of communicable and vector-borne infectious disease, and more. Numerous tables, figures, and concrete examples are included. The companion website features downloadable GIS databases that allow readers to practice a variety of spatial analytical techniques.

"This book makes the key ideas and materials of GIS accessible to professionals in public health. It takes the reader from first principles to conclusions through well-developed chains of reasoning...There is no book that currently covers this subject in this way. Its references are current and virtually complete. It will be a very valuable source for professionals in this area and it will be useful from the beginner's level to the advanced. I am impressed with the comprehensiveness of the material it covers as well as with the quality of the discussions. I expect that it will be warmly received."--Gerard Rushton, Department of Geography, University of Iowa
"No other book provides such a thorough introduction to GIS technologies, data, and methods of analysis, while focusing explicitly on issues and applications salient to public health practitioners, medical geographers, and epidemiologists. Cromley and McLafferty expertly balance the applied and the academic, the conceptual and the technical. Their writing is clear, concise, and practical. This book deserves to be widely read by both experienced and potential users of GIS in public health, as well as social and behavioral scientists who encounter geospatial data in their work. It will serve as an excellent text in advanced undergraduate- and graduate-level courses."--Stephen A. Matthews, Population Research Institute, The Pennsylvania State University
"While texts exist on GIS and medical geography, there is a strong need for a work that deals explicitly with GIS for public health applications. Now that need has been filled. This book not only outlines basic concepts of GIS use, but also explains in a very lucid manner a range of spatial analytical techniques that can be applied to the goal of improving human health. This book will serve as a useful text in upper-level undergraduate or graduate-level courses. It is also a valuable reference for anyone who plans to apply GIS tools and techniques to public health."--Carol Hanchette, PhD, Medical Geographer and Senior GIS Analyst, Research Triangle Institute, Research Triangle Park, North Carolina