

## Interactive Spatial Analysis Trevor Bailey

As portals to the supernatural realm that creates and animates the universe, caves have always been held sacred by the peoples of Mesoamerica. From ancient times to the present, Mesoamericans have made pilgrimages to caves for ceremonies ranging from rituals of passage to petitions for rain and a plentiful harvest. So important were caves to the pre-Hispanic peoples that they are mentioned in Maya hieroglyphic writing and portrayed in the Central Mexican and Oaxacan pictorial codices. Many ancient settlements were located in proximity to caves. This volume gathers papers from twenty prominent Mesoamerican archaeologists, linguists, and ethnographers to present a state-of-the-art survey of ritual cave use in Mesoamerica from Pre-Columbian times to the present. Organized geographically, the book examines cave use in Central Mexico, Oaxaca, and the Maya region. Some reports present detailed site studies, while others offer new theoretical understandings of cave rituals. As a whole, the collection validates cave study as the cutting edge of scientific investigation of indigenous ritual and belief. It confirms that the indigenous religious system of Mesoamerica was and still is much more terrestrially focused than has been generally appreciated.

This revised second edition highlights the ways in which health may be studied from geographical perspectives, setting out the debates and reviewing the evidence that links health outcomes with social and physical environments. Introduces the reader to relevant theoretical perspectives, methodologies, and research. Provides new examples from a range of geographical settings. Provides an extensive revision to the first edition, emphasizing contemporary concerns such as globalization, neighbourhood health, and obesity. Pays greater attention to the US health care system, mental health, health of older adults, disease ecology and re-emerging diseases, health in developing world, and children's and women's health.

Deep maps are finely detailed, multimedia depictions of a place and the people, buildings, objects, flora, and fauna that exist within it and which are inseparable from the activities of everyday life. These depictions may encompass the beliefs, desires, hopes, and fears of residents and help show what ties one place to another. A deep map is a way to engage evidence within its spatio-temporal context and to provide a platform for a spatially-embedded argument. The essays in this book investigate deep mapping and the spatial narratives that stem from it. The authors come from a variety of disciplines: history, religious studies, geography and geographic information science, and computer science. Each applies the concepts of space, time, and place to problems central to an understanding of society and culture, employing deep maps to reveal the confluence of actions and evidence and to trace paths of intellectual exploration by making use of a new creative space that is visual, structurally open, multi-media, and multi-layered.

Bringing together well-established interdisciplinary scholars - including geographers Phil Hubbard, Chris Philo and Hester Parr, and sociologists Jenny Hockey, Mike Hepworth and John Urry - and a new generation of researchers, this volume presents a wide range of innovative studies of fundamentally important questions of emotion. Following an overarching introduction, three interlinked sections elaborate key intersections between emotions and spatial concepts, on which each chapter offers a particular take informed by substantive research. At the heart of the collection lies a commitment to convey how emotions always spill over from one domain to another, as well as to illuminate the multiplicity of spaces that produce and are produced by emotional life. The book demonstrates the richness that an interdisciplinary engagement with the emotionality of socio-spatial life generates.

This volume treats "China" first and foremost as an evolving and imagined geographical entity. The contributors explore China's last five hundred years of history using geography as a lens through which to approach such issues as sports, ethnography, cartography, religion, elite and popular culture, transnational networking, urban planning, and politics.

This book constitutes the refereed proceedings of the First European Symposium on Principles of Data Mining and Knowledge Discovery, PKDD '97, held in Trondheim, Norway, in June 1997. The volume presents a total of 38 revised full papers together with abstracts of one invited talk and four tutorials. Among the topics covered are data and knowledge representation, statistical and probabilistic methods, logic-based approaches, man-machine interaction aspects, AI contributions, high performance computing support, machine learning, automated scientific discovery, quality assessment, and applications.

We call it lifeboat ethics: When there is not enough of this or that scarce good, who should die that others might survive? Born in the 19th century, when shipwrecks were frequent and lifeboats scarce, it has become a 21st century dilemma.

Who should get the last hospital bed, the scarce medical drug, the limited educational doctor, the needed transplantable human heart? Tom Koch considers both lifeboat ethics and its modern application to the distribution of transplantable human organs in the United States. He shows that the scarcity of organs is exacerbated where not created by racial and regional inequalities inherent in the American health care and transplant system. The real question, he concludes, is not "who should die" when there is not enough to go around, but the reasons why scarcity pervades at all.

This collection of individually authored chapters provides cutting-edge approaches to ethnography. Specialized Ethnographic Methods: A Mixed Methods Approach complements the basic inventory of ethnographic data collection tools presented in Book 3 with a number of important additional approaches to conducting ethnography. These include defining and collecting cultural artifacts, collecting secondary and archival data, cultural sorting and comparing methods, spatial research and analysis, network research and analysis, use of multimedia strategies for the collection of ethnographic data, ways to recruit and study "hidden populations," and participatory ethnographic video production.

A comprehensive, data-driven introduction to modern spatial data analysis, a field which is playing an increasing role in many areas of research and policy making. Provides full explanations for a wide variety of methods, with illustrated with case studies. Data sets for all the case studies are included on an accompanying computer disk, together with a substantial interactive DOS software package for the display and analysis of spatial data.

Includes sections "Book reviews" and "Periodical literature."

Systems analysis in forestry has continued to advance in sophistication and diversity of application over the last few decades. The papers in this volume were presented at the eighth symposium in the foremost conference series worldwide in this subject area. Techniques presented include optimization and simulation modelling, decision support systems, alternative planning techniques, and spatial analysis. Over 30 papers and extended abstracts are grouped into the topical areas of (1) fire and fuels; (2) networks and transportation; (3) forest and landscape planning; (4) ecological modeling, biodiversity, and wildlife; and (5) forest resource applications. This collection will be of interest to forest planners and researchers who work in quantitative methods in forestry.

The Handbook of Archaeological Methods comprises 37 articles by leading archaeologists on the key methods used by archaeologists in the field, in analysis, in theory building, and in managing cultural resources. The book is destined to become the key reference work for archaeologists and their advanced students on contemporary archaeological methods.

Setting out the debates and reviewing the evidence that links health outcomes with social and physical environments, this new edition of the well-established text offers an accessible overview of the theoretical perspectives, methodologies, and research in the field of health geography. Includes international examples, drawn from a broad range of countries, and extensive illustrations. Unique in its approach to health geography, as opposed to medical geography. New chapters focus on contemporary concerns including neighborhoods and health, ageing, and emerging infectious disease. Offers five new case studies and an fresh emphasis on qualitative research approaches. Written by two of the leading health geographers in the world, each with extensive experience in research and policy.

This 2-volume work includes approximately 1,200 entries in A-Z order, critically reviewing the literature on specific topics from abortion to world systems theory. In addition, nine major entries cover each of the major disciplines (political economy; management and business; human geography; politics; sociology; law; psychology; organizational behavior) and the history and development of the social sciences in a broader sense.

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CD-ROM contains: Four Microsoft PowerPoint presentations and interactive mapping exercises, some of which extend the scholarly material and address new issues related to historical GIS.

This book shows how to model the spatial interactions between actors that are at the heart of the social sciences.

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