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Bastard Culture! Springer

This book promotes the exploitation of novel and emerging approaches for mapping environmental and urban informatics empowered by citizens. Chapters are grouped in three sections representing the main subjects. The first section describes data acquisition and modeling. The second section focuses on the quality and reliability of data. The final section presents different methods of environmental monitoring and perception. The book includes diverse case studies from Mexico, the United States and Czech Republic. Topics covered in Citizen Empowered Mapping are of interest for research scholars, practitioners, postgraduates, and professionals from a variety of disciplines including geography, environmental science, geographic information science, social science, and computer science.

Advanced Location-Based Technologies and Services Peachpit Press

Please note that the content of this book primarily consists of articles available from Wikipedia or other free sources online. Pages: 38. Chapters: General Electric, Esri, Autodesk, Quantapoint, Intergraph, MapInfo, Navteq, Tele Atlas, GeoEye, RapidEye, DigitalGlobe, BroadMap, Manifold System, Spot Image, Leica Geosystems, GeoEye-1, Red Hen Systems, Cadcorp, WeoGeo, DeLorme, Hart InterCivic, Space Imaging Middle East, GeoSmart, Automotive Navigation Data, Magnasoft Consulting India Private Limited, Academia, Caliper Corporation, GfK GeoMarketing, CloudMade, GlobeXplorer, NearMap, Global Mapper, MapBlast, Blue Marble Geographics, Zenrin, Safe Software, Smallworld, IDV Solutions, Mapscape BV, GNAV, AtlasCT, Microlimages, Inc., Route 66, SIA Ltd. Excerpt: General Electric Company (NYSE: GE), or GE, is an American multinational conglomerate corporation incorporated in Schenectady, New York and headquartered in Fairfield, Connecticut, United States. The company operates through four segments: Energy, Technology Infrastructure, Capital Finance and Consumer & Industrial. In 2011, Fortune ranked GE the 6th largest firm in the U.S., as well as the 14th most profitable. Other rankings for 2011 include #7 company for leaders (Fortune), #5 best global brand (Interbrand), #82 green company (Newsweek), #13 most admired company (Fortune), and #19 most innovative company (Fast Company). By 1890, Thomas Edison had brought together several of his business interests under one corporation to form Edison General Electric. At about the same time, Thomson-Houston Electric Company, under the leadership of Charles Coffin, gained access to a number of key patents through the acquisition of a number of competitors. Subsequently, General Electric was formed by the 1892 merger of Edison General Electric of Schenectady, New York and Thomson-Houston Electric Company of Lynn, Massachusetts and both plants remain in operation under the GE banner to this day. The company was incorporated in New...

Transforming Global Information and Communication Markets John Wiley & Sons

Sustainability has been increasingly embraced as an overarching policy goal, and communities have been called to be active participants on the path towards attaining a balance between fundamental human needs and ecological resilience. Community-based organizations (CBOs) can benefit from using GIS in building community assets and developing well-conceived sustainability initiatives, but GIS has not yet been widely used for those purposes in CBOs. This book illustrates how geographic information (such as maps) can be useful in community development drawing from service-learning GIS projects, and argue that economic theories of sustainability and spatial thinking can be of help in building sustainable community. It also discusses the application of vehicle routing problems for sustainable waste collection; spatio-temporal visualization and analysis techniques in GIS; GIS applications in modern crop protection; role of geographic information system for water quality evaluation; and the use of remote sensing and GIS

for groundwater potential mapping in crystalline basement rocks.

Future U.S. Workforce for Geospatial Intelligence Transportation Research Board
This report from the second Strategic Highway Research Program (SHRP 2), which is administered by the Transportation Research Board of the National Academies, describes how to develop and use a Travel Time Reliability Monitoring System (TTRMS). It explains why such a system is useful, how it helps agencies do a better job of managing network performance, and what a traffic management center (TMC) team needs to do to put a TTRMS in place.

Kingdom of Nokia Apress

Need directions? Are you good at getting lost? Then GPS is just the technology you've dreamed of, and GPS For Dummies is what you need to help you make the most of it. If you have a GPS unit or plan to buy one, GPS For Dummies, 2nd Edition helps you compare GPS technologies, units, and uses. You'll find out how to create and use digital maps and learn about waypoints, tracks, coordinate systems, and other key point to using GPS technology. Get more from your GPS device by learning to use Web-hosted mapping services and even how to turn your cell phone or PDA into a GPS receiver. You'll also discover: Up-to-date information on the capabilities of popular handheld and automotive Global Positioning Systems How to read a map and how to get more from the free maps available online The capabilities and limitations of GPS technology, and how satellites and radio systems make GPS work How to interface your GPS receiver with your computer and what digital mapping software can offer Why a cell phone with GPS capability isn't the same as a GPS unit What can affect your GPS reading and how accurate it will be How to use Street Atlas USA, TopoFusion, Google Earth, and other tools Fun things to do with GPS, such as exploring topographical maps, aerial imagery, and the sport of geocaching Most GPS receivers do much more than their owners realize. With GPS For Dummies, 2nd Edition in hand, you'll venture forth with confidence!

The Car Hacker's Handbook Springer

Geocomputation with R is for people who want to analyze, visualize and model geographic data with open source software. It is based on R, a statistical programming language that has powerful data processing, visualization, and geospatial capabilities. The book equips you with the knowledge and skills to tackle a wide range of issues manifested in geographic data, including those with scientific, societal, and environmental implications. This book will interest people from many backgrounds, especially Geographic Information Systems (GIS) users interested in applying their domain-specific knowledge in a powerful open source language for data science, and R users interested in extending their skills to handle spatial data. The book is divided into three parts: (I) Foundations, aimed at getting you up-to-speed with geographic data in R, (II) extensions, which covers advanced techniques, and (III) applications to real-world problems. The chapters cover progressively more advanced topics, with early chapters providing strong foundations on which the later chapters build. Part I describes the nature of spatial datasets in R and methods for manipulating them. It also covers geographic data import/export and transforming coordinate reference systems. Part II represents methods that build on these foundations. It covers advanced map making (including web mapping), "bridges" to GIS, sharing reproducible code, and how to do cross-validation in the presence of spatial autocorrelation. Part III applies the knowledge gained to tackle real-world problems, including representing and modeling transport systems, finding optimal locations for stores or services, and ecological modeling. Exercises at the end of each chapter give you the skills needed to tackle a range of geospatial problems. Solutions for each chapter and supplementary materials

providing extended examples are available at <https://geocompr.github.io/geocompr/articles/>. Dr. Robin Lovelace is a University Academic Fellow at the University of Leeds, where he has taught R for geographic research over many years, with a focus on transport systems. Dr. Jakub Nowosad is an Assistant Professor in the Department of Geoinformation at the Adam Mickiewicz University in Poznan, where his focus is on the analysis of large datasets to understand environmental processes. Dr. Jannes Muenchow is a Postdoctoral Researcher in the GIScience Department at the University of Jena, where he develops and teaches a range of geographic methods, with a focus on ecological modeling, statistical geocomputing, and predictive mapping. All three are active developers and work on a number of R packages, including `stplanr`, `sabre`, and `RQGIS`.

Investigation Of Competition In Digital Markets McGraw-Hill Companies
Now available in paperback- Pro Oracle Spatial for Oracle Database 11g shows how to take advantage of Oracle Databases built-in feature set for working with location-based data. A great deal of the information used in business today is associated with location in some way, and analysis of that data is becoming ever more important in today's mobile and highly connected world. In Pro Oracle Spatial for Oracle Database 11g, authors Ravi Kothuri and Albert Godfrind address: The special nature of spatial data and its role in professional and consumer applications Issues in spatial data management such as modeling, storing, accessing, and analyzing spatial data The Oracle Spatial solution and the integration of spatial data into enterprise databases How spatial information is used to understand business and support decisions, to manage customer relations, and to better serve private and corporate users When you read Pro Oracle Spatial for Oracle Database 11g, you're learning from the very best. Ravi Kothuri is a key member of Oracle's Spatial development team. Albert Godfrind consults widely with Oracle clients on the implementation of Oracle Spatial, develops training courses, and presents frequently at conferences. Together they have crafted a technically sound and authoritative fountain of information on working with spatial data in the Oracle database.

Motor Carriers Road Atlas Springer Nature

We live in a changing world with multiple and evolving threats to national security, including terrorism, asymmetrical warfare (conflicts between agents with different military powers or tactics), and social unrest. Visually depicting and assessing these threats using imagery and other geographically-referenced information is the mission of the National Geospatial-Intelligence Agency (NGA). As the nature of the threat evolves, so do the tools, knowledge, and skills needed to respond. The challenge for NGA is to maintain a workforce that can deal with evolving threats to national security, ongoing scientific and technological advances, and changing skills and expectations of workers. Future U.S. Workforce for Geospatial Intelligence assesses the supply of expertise in 10 geospatial intelligence (GEOINT) fields, including 5 traditional areas (geodesy and geophysics, photogrammetry, remote sensing, cartographic science, and geographic information systems and geospatial analysis) and 5 emerging areas that could improve geospatial intelligence (GEOINT fusion, crowdsourcing, human geography, visual analytics, and forecasting). The report also identifies gaps in expertise relative to NGA's needs and suggests ways to ensure an adequate supply of geospatial intelligence expertise over the next 20 years.

PC Mag Nova Science Pub Incorporated

The computer and particularly the Internet have been represented as enabling technologies, turning consumers into

users and users into producers. The unfolding online cultural production by users has been framed enthusiastically as participatory culture. But while many studies of user activities and the use of the Internet tend to romanticize emerging media practices, this book steps beyond the usual framework and analyzes user participation in the context of accompanying popular and scholarly discourse, as well as the material aspects of design, and their relation to the practices of design and appropriation.

Geographic Information Systems (GIS) for Disaster Management Apress Kingdom of Nokia tells a fascinating story of corporatism in Finland. How did the mobile phone giant Nokia make the Finnish elite willing to serve the interests of the company? Nokia became a global player in mobile communications in the 1990s, and helped establish Anglo-Saxon capitalism in Finland. Through its success and strong lobbying, the company managed to capture the attention of Finnish politicians, civil servants, and journalists nationwide. With concrete detailed examples, Kingdom of Nokia illustrates how Nokia organised lavishing trips to journalists and paid direct campaign funding to politicians to establish its role at the core of Finnish decision-making. As a result, the company influenced important political decisions such as joining the European Union and adopting the euro, and further, Nokia even drafted its own law to serve its special interests. All this in a country considered one of the least corrupt in the world.

Mapping and the Citizen Sensor Amsterdam University Press Summary Specification by Example is an emerging practice for creating software based on realistic examples, bridging the communication gap between business stakeholders and the dev teams building the software. In this book, author Gojko Adzic distills interviews with successful teams worldwide, sharing how they specify, develop, and deliver software, without defects, in short iterative delivery cycles. About the Technology Specification by Example is a collaborative method for specifying requirements and tests. Seven patterns, fully explored in this book, are key to making the method effective. The method has four main benefits: it produces living, reliable documentation; it defines expectations clearly and makes validation efficient; it reduces rework; and, above all, it assures delivery teams and business stakeholders that the software that's built is right for its purpose. About the Book This book distills from the experience of leading teams worldwide effective ways to specify, test, and deliver software in short, iterative delivery cycles. Case studies in this book range from small web startups to large financial institutions, working in many processes including XP, Scrum, and Kanban. This book is written for developers, testers, analysts, and business people working together to build great software. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Common process patterns How to avoid bad practices Fitting SBE in your process 50+ case studies

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In June 2019, the Committee on the Judiciary initiated a bipartisan investigation into the state of competition online, spearheaded by the Subcommittee on Antitrust, Commercial and Administrative Law. As part of a top-to-bottom review of the market, the Subcommittee examined the dominance of Amazon, Apple, Facebook, and Google, and their business practices to determine how their power affects our economy and our democracy. Additionally, the Subcommittee performed a review of existing antitrust laws, competition policies, and current enforcement levels to assess whether they are adequate to address market power and anticompetitive conduct in digital markets. Over the course of our investigation, we collected extensive evidence from these companies as well as from third parties totaling nearly 1.3 million documents. We held seven hearings to review the effects of market power online—including on the free and diverse press, innovation, and privacy—and a final hearing to examine potential solutions to concerns identified during the investigation and to inform this Report's recommendations. A year after initiating the investigation, we received testimony from the Chief Executive Officers of the investigated companies: Jeff Bezos, Tim Cook, Mark Zuckerberg, and Sundar Pichai. For nearly six hours, we pressed for answers about their business practices, including about evidence concerning the extent to which they have exploited, entrenched, and expanded their power over digital markets in anticompetitive and abusive ways. Their answers were often evasive and non-responsive, raising fresh questions about whether they believe they are beyond the reach of democratic oversight. Although these four corporations differ in important ways, studying their business practices has revealed common problems

Pro Oracle Spatial NYU Press
WHAT'S IN IT FOR ME? Information technology lives all around us—in how we communicate, how we do business, how we shop, and how we learn. Smart phones, iPods, PDAs, and wireless devices dominate our lives, and yet it's all too easy for students to take information technology for granted. Rainer and Turban's Introduction to Information Systems, 2nd edition helps make Information Technology come alive in the classroom. This text takes students where IT lives—in today's businesses and in our daily lives while helping students understand how valuable information technology is to their future careers. The new edition provides concise and accessible coverage of core IT topics while connecting these topics to Accounting, Finance, Marketing, Management, Human resources, and Operations, so students can discover how critical IT is to each functional area and every business. Also available with this edition is WileyPLUS—a powerful online tool that provides instructors and students with an integrated suite of teaching and learning resources in one easy-to-use website. The WileyPLUS course for Introduction to Information Systems, 2nd edition includes animated tutorials in Microsoft Office 2007, with iPod content and podcasts of chapter summaries provided by author Kelly Rainer.
CRC Press

The MATSim (Multi-Agent Transport Simulation) software project was started around 2006 with the goal of generating traffic and congestion patterns by following individual synthetic travelers through their daily or weekly activity programme. It has since then evolved from a collection of stand-alone C++ programs to an integrated Java-based framework which is publicly hosted, open-source available, automatically regression tested. It is currently used by about 40 groups throughout the world. This book takes stock of the current status. The first part of the book gives an introduction to the most important concepts, with the intention of enabling a potential user to set up and run basic simulations. The second part of the book describes how the basic functionality can be extended, for example by adding schedule-based public transit, electric or autonomous cars, paratransit, or within-day replanning. For each extension, the text provides pointers to the additional documentation and to the code base. It is also discussed how people with appropriate Java programming skills can write their own extensions, and plug them into the

MATSim core. The project has started from the basic idea that traffic is a consequence of human behavior, and thus humans and their behavior should be the starting point of all modelling, and with the intuition that when simulations with 100 million particles are possible in computational physics, then behavior-oriented simulations with 10 million travelers should be possible in travel behavior research. The initial implementations thus combined concepts from computational physics and complex adaptive systems with concepts from travel behavior research. The third part of the book looks at theoretical concepts that are able to describe important aspects of the simulation system; for example, under certain conditions the code becomes a Monte Carlo engine sampling from a discrete choice model. Another important aspect is the interpretation of the MATSim score as utility in the microeconomic sense, opening up a connection to benefit cost analysis. Finally, the book collects use cases as they have been undertaken with MATSim. All current users of MATSim were invited to submit their work, and many followed with sometimes crisp and short and sometimes longer contributions, always with pointers to additional references. We hope that the book will become an invitation to explore, to build and to extend agent-based modeling of travel behavior from the stable and well tested core of MATSim documented here.

Specification by Example No Starch Press
Universal navigation is accessible primarily through smart phones providing users with navigation information regardless of the environment (i.e., outdoor or indoor). Universal Navigation on Smartphones provide the most up-to-date navigation technologies and systems for both outdoor and indoor navigation. It also provides a comparison of the similarities and differences between outdoor and indoor navigation systems from both a technological stand point and user's perspective. All aspects of navigation systems including geo-positioning, wireless communication, databases, and functions will be introduced. The main thrust of this book presents new approaches and techniques for future navigation systems including social networking, as an emerging approach for navigation.

Geocomputation with R Ubiquity Press
Now in its second edition, *Geographic Information Systems (GIS) for Disaster Management* has been completely updated to take account of new developments in the field. Using a hands-on approach grounded in relevant GIS and disaster management theory and practice, this textbook continues the tradition of the benchmark first edition, providing coverage of GIS fundamentals applied to disaster management. Real-life case studies demonstrate GIS concepts and their applicability to the full disaster management cycle. The learning-by-example approach helps readers see how GIS for disaster management operates at local, state, national, and international scales through government, the private sector, non-governmental organizations, and volunteer groups. New in the second edition: a chapter on allied technologies that includes remote sensing, Global Positioning Systems (GPS), indoor navigation, and Unmanned Aerial Systems (UAS); thirteen new technical exercises that supplement theoretical and practical chapter discussions and fully reinforce concepts learned; enhanced boxed text and other pedagogical features to give readers even more practical advice; examination of new forms of world-wide disaster faced by society; discussion of new commercial and open-source GIS technology and techniques such as machine learning and the Internet of Things; new interviews with subject-matter and industry experts on GIS for disaster management in the US and abroad; new career advice on getting a first job in the industry. Learned yet accessible, *Geographic Information Systems (GIS) for Disaster Management* continues to be a valuable teaching tool for undergraduate and graduate instructors in the disaster management and GIS fields, as well as disaster management and humanitarian professionals. Please visit <http://gisfordisastermanagement.com> to view supplemental material such as slides and hands-on exercise video walkthroughs. This companion website offers valuable hands-on experience applying

concepts to practice.

Understanding Different Geographies CRC Press

Road maps are accompanied by information on federally-designated routes and trucking restrictions.

Mobile Screens IOS Press

There has been an exponential growth of personal GPS device sales over the last few years and Garmin is leading the way. In particular, the Garmin nüvi navigators have revolutionized what we expect from a GPS navigation device, or from any device for that matter. In this handy new Pocket Guide, mobile device expert Jason O'Grady reveals the secrets to using these leading personal GPS devices, including the nüvi 350 which provides automatic routing, turn-by-turn voice directions, and touchscreen control-- making it easy to find your way anywhere. In addition the built-in "Travel Kit" offers an MP3 player, an audio book player from Audible.com, a jpeg-format picture viewer, a world travel clock with time zones, a currency converter, a measurement converter, and a calculator. With this essential companion you'll be a Garmin GPS master in no time!

Introduction to Information Systems CRC Press

Innovation in information and communication technology (ICT) fuels the growth of the global economy. How ICT markets evolve depends on politics and policy, and since the 1950s periodic overhauls of ICT policy have transformed competition and innovation. For example, in the 1980s and the 1990s a revolution in communication policy (the introduction of sweeping competition) also transformed the information market. Today, the diffusion of Internet, wireless, and broadband technology, growing modularity in the design of technologies, distributed computing infrastructures, and rapidly changing business models signal another shift. This pathbreaking examination of ICT from a political economy perspective argues that continued rapid innovation and economic growth require new approaches in global governance that will reconcile diverse interests and enable competition to flourish. The authors (two of whom were architects of international ICT policy reforms in the 1990s) discuss this crucial turning point in both theoretical and practical terms.

GPS For Dummies Springer Science & Business Media

An efficient and accurate inventory of a state highway agency's assets, along with the means to assess the condition of those assets and model their performance, is critical to enabling an agency to make informed investment decisions in a Transportation Asset Management (TAM) environment. Today, new technologies provide fast and improved ways to gather, process, and analyze data. The key is to identify and gather the most useful, reliable, cost-effective information and use it to make informed decisions for asset management. Four key infrastructure areas have been identified as primary asset components; pavements, bridges, geotechnical features, and roadside appurtenances. Each area contains multiple categories and data elements important for sound decision making. Although some similarities exist in these four primary categories, the nature of data collection may differ, depending on the asset type. The sheer number of data elements and the length of asset networks for pavements and roadside appurtenances render the automated highway speed data collection method a necessity rather than a luxury. However, the discrete nature of bridges and geotechnical features make the automated mobile data collection method on a network level unfeasible with today's technology. Important issues in the collection process include precision, subjectivity and variability of the process itself, as well as speed, safety of the survey crew, proximity of the public, cost, etc. Although previous research has attempted to address these

issues and determine the most appropriate method(s), the question remains as to which roadway data collection system is best for state highway agencies given real world constraints. This research set up a "sealed envelope" experiment wherein the identification, location, description, and quality of the asset data elements are known only to NCSU researchers. Vendors are informed of only the data necessary to perform their evaluation. To support this effort at 95-mile test course near Raleigh, North Carolina was identified, which contained a sampling of pavement, roadside, geotechnical and bridge elements. This document reports on the findings from the study.