

Chapter Section Science Urban Life

Big Data Science and Analytics for Smart Sustainable Urbanism

Simon Elias Bibri 2019-05-30 We are living at the dawn of what has been termed 'the fourth paradigm of science,' a scientific revolution that is marked by both the emergence of big data science and analytics, and by the increasing adoption of the underlying technologies in scientific and scholarly research practices. Everything about science development or knowledge production is fundamentally changing thanks to the ever-increasing deluge of data. This is the primary fuel of the new age, which powerful computational processes or analytics algorithms are using to generate valuable knowledge for enhanced decision-making, and deep insights pertaining to a wide variety of practical uses and applications. This book addresses the complex interplay of the scientific, technological, and social dimensions of the city, and what it entails in terms of the systemic implications for smart sustainable urbanism. In concrete terms, it explores the interdisciplinary and transdisciplinary field of smart sustainable urbanism and the unprecedented paradigmatic shifts and practical advances it is undergoing in light of big data science and analytics. This new era of science and technology embodies an unprecedentedly transformative and constitutive power—manifested not only in the form of revolutionizing science and transforming knowledge, but also in advancing social practices, producing new discourses, catalyzing major shifts, and fostering societal transitions. Of particular relevance, it is instigating a massive change in the way both smart cities and sustainable cities are studied and understood, and in how they are planned, designed, operated, managed, and governed in the face of urbanization. This relates to what has been dubbed data-driven smart sustainable urbanism, an emerging approach based on a computational understanding of city systems and processes that reduces urban life to logical and algorithmic rules and procedures, while also harnessing urban big data to provide a more holistic and integrated view or synoptic intelligence of the city. This is increasingly being directed towards improving, advancing, and maintaining the contribution of both sustainable cities and smart cities to the goals of sustainable development. This timely and multifaceted book is aimed at a broad readership. As such, it will appeal to urban scientists, data scientists, urbanists, planners, engineers, designers, policymakers, philosophers of science, and futurists, as well as all readers interested in an overview of the pivotal role of big data science and analytics in advancing every academic discipline and social practice concerned with data-intensive science and its application, particularly in relation to sustainability.

Book Review Digest 1918

Tales of the Turing Church: Hacking religion, enlightening science, awakening technology Giulio Prisco 2020-02-07 This book explores intersections of science and religion, spirituality and technology, engineering and science fiction, mind and matter, and outlines a new cosmic, transhumanist religion. Hacking religion, enlightening science, awakening technology.

Congress of Arts and Science: Economics. Politics. Jurisprudence. Social Science Howard Jason Rogers 1906

Annals of the American Academy of Political and Social Science 1929

The Saturday Review of Politics, Literature, Science and Art 1877

Social Science Pamphlets: Essentials in Geography--history--civics: Town and city life in America; 2. Resources, industries and cities of A,merica; 3-4 Industries and trade which bind nations together, pt. 1-2. v. 2. Eight grade pamphlets: 1. Explorers and settlers westward bound; 2. The mechanical conquest of America; 3-4. America's march toward democracy, pt. 1-2. v. 3. Nineth grade pamphlets: 1. Americanizing our foreign born; 2. Resources and industries in a machine world; 3. Waste and conservation of America's resources; 4. How nations live together 1923

Wild City Barrett Williams 2025-04-08 Unlock the hidden world within your city's bustling streets and towering skyscrapers with "Wild City," an enlightening journey into urban ecology. This eBook delves into the fascinating intricacies of nature coexisting with humanity's creations, reshaping cities into vibrant ecosystems brimming with life. Explore how cities, often seen as concrete and steel monuments to human achievement, burst with unexpected biodiversity. "Wild City" opens your eyes to the evolutionary strategies and behavioral shifts city wildlife have perfected to thrive in human environments. From the high-flying antics

of urban birds nesting on rooftops and singing their symphony in city parks, to the elusive nighttime escapades of foxes and coyotes, the city is alive in ways you never imagined. Dive into the world of urban insects—the unsung heroes working tirelessly in the background, pollinating flowers and maintaining cleanliness. Discover how urban planting takes hold in the smallest of spaces, transforming cracks in the sidewalk into small ecosystems that sustain and flourish. This book doesn't just explore the present; it also peers into the future, examining the profound impact of climate change on urban wildlife and forecasting the rise of green infrastructure and smart cities. "Wild City" gives you the tools to become an active participant in this unfolding story, from engaging in local biodiversity projects to joining the community of citizen scientists documenting city wildlife. Through compelling case studies and personal stories from urban champions, "Wild City" inspires action, reflecting on our role and responsibility in nurturing the nature we share our urban spaces with. Join the movement toward a harmonious urban future where city life and wildlife coexist in an ever-evolving dance of survival and adaptation. Embrace the wild within your city and become a steward of our shared spaces.

The Future of Liveable Cities Luigi Fusco Girard 2023-12-19 This book explores the concept of livable cities, where people enjoy living and being, and examines indicators of citizens' well-being in relation to the urban environment. It is authored by experts from diverse disciplines, providing a citizen-centered perspective on urban well-being in sustainable, environmentally friendly, and climate-neutral (or -positive) cities. The contributions focus on the human and social aspects of cities, developing operational models and frameworks for circular cities, smart resource utilization, and examining contextual factors such as environmental and neighborhood quality, energy transition, climate neutrality, and recycling as factors that influence the well-being of "homo urbanus." The chapters approach these topics from various analytical perspectives, including conceptual/theoretical, methodological/modeling, policy/planning, and evidence-based case studies. This book will be of interest to scholars in regional and spatial science, urban geography, economics, and related fields, as well as those interested in urban well-being.

Congress of Arts and Science Howard Jason Rogers 1906

Public Management 1930 Beginning with 1925 the March number of each year contains the annual proceedings of the International City Managers' Association.

Establishment of Photographic Archives of Works of Art Jean Prinnet 1951

The Annals of the American Academy of Political and Social Science 1927

Outlines of Political Science George Gunton 1901

Ebook: Environmental Science: A Global Concern William

Cunningham 2014-10-16 Environmental Science: A Global Concern is a comprehensive presentation of environmental science for non-science majors which emphasizes critical thinking, environmental responsibility, and global awareness. This book is intended for use in a one or two-semester course in environmental science, human ecology, or environmental studies at the college or advanced placement high school level. As practicing scientists and educators, the Cunningham author team brings decades of experience in the classroom, in the practice of science, and in civic engagement. This experience helps give students a clear sense of what environmental science is and why it matters in this exciting, new 13th edition. Environmental Science: A Global Concern provides readers with an up-to-date, introductory global view of essential themes in environmental science. The authors balance evidence of serious environmental challenges with ideas about what we can do to overcome them. An entire chapter focuses on ecological restoration; one of the most important aspects of ecology today. Case studies in most chapters show examples of real progress, and "What Can You Do?" lists give students ideas for contributing to solutions

Step Into Stillness: The Art and Science of Walking Meditation

Mia Harrington 2025-12-07 Walking meditation bridges the gap between busy modern life and contemplative practice. Step Into Stillness reveals how this ancient practice transforms ordinary walks into profound moments of presence, healing, and insight. Unlike seated meditation, walking meditation fits seamlessly into your existing routine—during commutes, lunch breaks, nature trails, or daily errands—making mindfulness accessible even in your busiest seasons. This practical guide

teaches foundational techniques for synchronizing breath with steps, grounding awareness in physical sensation, and navigating common distractions. Explore specialized practices including walking meditations for stress relief, emotional processing, creative problem-solving, and spiritual connection. Learn how to adapt techniques for different environments—urban streets, forest paths, beaches, or your own backyard. Discover the neuroscience behind why movement enhances meditation benefits and how walking meditation supports better sleep, reduced anxiety, and improved emotional resilience. Packed with step-by-step instructions, troubleshooting tips, and integration strategies, this book shows you how to cultivate mindfulness without adding another commitment to your schedule. Experience how slowing down, even while moving forward, creates profound shifts in how you perceive yourself and navigate the world. Your meditation practice is waiting—one mindful step at a time.

Johns Hopkins University Studies in Historical and Political Science

Johns Hopkins University 1892

Social Science 1929

Toronto University Studies in Political Science 1889

Notes - Municipal Reference and Research Center Municipal Reference and Research Center (New York, N.Y.) 1930

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