

some detail. Structural aspects of tax administration are given particular attention. .

Background: Cardiac arrest is a major health problem worldwide. For many of the afflicted, cardiac arrest is the natural end of life. For others, it is an unexpected event suddenly striking in the middle of life. During the last decades, major efforts in treatment have contributed to more people surviving their cardiac arrest. However, previous research has mainly focused on survival, while the knowledge about health-related quality of life in survivors is sparse. Hence, there is a need for more research in order to extend the knowledge about the living situations among survivors and their spouses. For example, factors associated with health-related quality of life are not sufficiently investigated. Knowledge about such factors is important in order to develop interventions and to be able to improve post cardiac arrest care. In addition, existing research shows incongruent results concerning differences in characteristics and survival between men and women. In order to provide equitable care between sexes, further studies are warranted. Aim: The overall aim of this thesis was to increase the knowledge of survival and health-related quality of life among people suffering cardiac arrest with focus on sex and other related factors. The specific aims were: to describe in-hospital cardiac arrest events with regard to sex and investigate if sex is associated with survival after controlling for known predictors and interaction effects (study I), to describe health status and psychological distress among in-hospital cardiac arrest survivors in relation to sex (study II), to investigate factors associated with health-related quality of life among cardiac arrest survivors treated with an implantable cardioverter defibrillator in relation to sex, and to compare their health-related quality of life with a general population, (study III) and to investigate if type D personality and perceived control among cardiac arrest survivors and their spouses were associated with their own and their partners' health-related quality of life (study IV). Methods: The general design in all studies (I-IV) was quantitative, cross-sectional and correlational. This thesis is based on four different data collections. Data was systematically collected using national quality registries (I and II) or by sending questionnaires to survivors (III and IV) and their spouses (IV), treated at several different hospitals in Sweden. The sample size varied between 126 and 990 across the studies. The outcomes and explanatory study variables were chosen with respect to Wilson and Cleary's conceptual model of health-related quality of life. The main outcome variables were survival after resuscitation, survival at hospital discharge, survival at 30 days post cardiac arrest (I), and health-related quality of life measured by the Hospital Anxiety and Depression Scale (II and III) and the EuroQol-5 dimensions (II-IV). In this thesis descriptive and inferential statistics were applied. The main statistics consisted of logistic and linear regression analyses, and structural equation modelling. Results: Male sex was associated with a better chance of survival to hospital discharge, but no associations between sex and survival after resuscitation or at 30 days were identified. More men than women received resuscitation attempts when suffering an in-hospital cardiac arrest (study I). Health-related quality of life among most cardiac arrest survivors was good (II-IV), even when compared to a general population (III). However, a significant proportion reported low health status and symptoms of anxiety and depression (II and III). Women reported worse health-related quality of life compared to men, and female sex was associated with poorer health-related quality of life in the multiple regression models (II and III). Several additional factors were identified to be associated with poorer health-related quality of life: being unemployed, having a type D personality, perceiving less control, suffering from more comorbidities and suffering from more ICD-related concerns (III). In addition, older age was associated with poorer (EQ VAS) or better (HADS Anxiety) health-related quality of life, depending of outcome measure (II). Moreover, perceived control and type D personality among the survivors were associated with health-related quality of life among their spouses, but not vice versa. Conclusions: Although, sex does not appear to be an important predictor for survival, the difference between men and women regarding the proportion of resuscitation attempts should be further investigated. The majority of survivors

and their spouses report good health-related quality of life similar to general populations. However, a substantial proportion suffer from health problems. Since women in general report worse health-related quality of life compared to men a higher proportion of women may be in need of support. Several factors associated with worse health-related quality of life were identified and might be used during follow-up and rehabilitation. For example, identifying type D personality might be important when screening patients at risk for health problems. Perceiving more control could be targeted by health-supportive interventions, for example person-centered care. Healthcare professionals should make efforts to identify survivors at risk of poor health-related quality of life and offer individualized support when needed. Characteristics among survivors were associated with health-related quality of life in their spouses. Including spouses in follow-up care is therefore important. Wilson and Cleary's conceptual model for health-related quality of life appears to be applicable for choosing outcomes in cardiac arrest research and might be helpful when designing interventions to improve post cardiac arrest care.

What does it mean to be poor in Britain and America? For decades the primary narrative about poverty in both countries is that it has been caused by personal flaws or 'bad life decisions' rather than policy choices or economic inequality. This misleading account has become deeply embedded in the public consciousness with serious ramifications for how financially vulnerable people are seen, spoken about and treated. Drawing on a two-year multi-platform initiative, this book by award-winning journalist and author Mary O'Hara, asks how we can overturn this portrayal once and for all. Crucially, she turns to the real experts to try to find answers – the people who live it.

The Global Innovation Index 2019 provides detailed metrics about the innovation performance of 129 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The GII 2019 analyzes the medical innovation landscape of the next decade, looking at how technological and non-technological medical innovation will transform the delivery of healthcare worldwide. It also explores the role and dynamics of medical innovation as it shapes the future of healthcare, and the potential influence this may have on economic growth. Chapters of the report provide more details on this year's theme from academic, business, and particular country perspectives from leading experts and decision makers. This book constitutes the refereed proceedings of the 8th International Conference on Games and Learning Alliance, GALA 2019, held in Athens, Greece, in November 2019. The 38 regular papers presented together with 19 poster papers were carefully reviewed and selected from 76 submissions. The papers cover the following topics: serious game design and pedagogical foundations; AI and technology for SG; gamification; applications and case studies; and posters. The chapter "Cyber Chronix, Participatory Research Approach to Develop and Evaluate a Storytelling Game on Personal Data Protection Rights and Privacy Risks" is available open access under a CC BY 4.0 license at link.springer.com.

The two-volume Emergency Medical Services: Clinical Practice and Systems Oversight delivers a thorough foundation upon which to succeed as an EMS medical director and prepare for the NAEMSP National EMS Medical Directors Course and Practicum. Focusing on EMS in the 'real world', the book offers specific management tools that will be useful in the reader's own local EMS system and provides contextual understanding of how EMS functions within the

broader emergency care system at a state, local, and national level. The two volumes offer the core knowledge trainees will need to successfully complete their training and begin their career as EMS physicians, regardless of the EMS systems in use in their areas. A companion website rounds out the book's offerings with audio and video clips of EMS best practice in action. Readers will also benefit from the inclusion of:

- A thorough introduction to the history of EMS
- An exploration of EMS airway management, including procedures and challenges, as well as how to manage ventilation, oxygenation, and breathing in patients, including cases of respiratory distress
- Practical discussions of medical problems, including the challenges posed by the undifferentiated patient, altered mental status, cardiac arrest and dysrhythmias, seizures, stroke, and allergic reactions
- An examination of EMS systems, structure, and leadership

This book covers a variety of topics regarding environmental practices in our day-to-day lives, as well as topics concerning sustainable development as a broader concept embracing ecological, social, and economic aspects to improve the quality of life for people around the world. Starting with the traditional controversy between the neoclassical economy and sustainable economy, which may be overcome by scientific progress due to more intensive scientific studies of the sustainability paradigm, the book proceeds to discuss various problems and challenges regarding environmental protection and sustainable development in different countries and on different continents. This includes analyses of recent, sometimes fatal mining disasters in South and North America, challenges and opportunities for rural development in Africa and Australia, an exploration of the role of women for sustainable development in Palestine, water safety and water security issues in Asia and Australia, the environmental exploitation of popular tourism destinations like Acapulco, and deforestation in Malaysia, suggesting innovative approaches to turn challenges into opportunities to effectively tackle these problems. Other topics addressed involve sustainable energy creation for future generations, a research survey among Romanian students on sustainable consumption behavior, validity testing for a heat transfer model in a greenhouse, and a case study on sustainability risk management practices at Malaysia's environmentally sensitive companies. The book closes with an examination of highly digitalized Smart Cities as a potentially valuable complement to conventional urban and rural lifestyles in connection with achieving the UN Sustainable Development Goals (SDGs).

This book covers applications for hybrid artificial intelligence (AI) and Internet of Things (IoT) for integrated approach and problem solving in the areas of radiology, drug interactions, creation of new drugs, imaging, electronic health records, disease diagnosis, telehealth, and mobility-related problems in healthcare. The book discusses the convergence of AI and the hybrid approaches in healthcare which optimizes the possible solutions and better treatment. Internet of Things (IoT) in healthcare is the next-gen technologies which automate the healthcare facility by mobility solutions are discussed in

detail. It also discusses hybrid AI with bio-inspired techniques, genetic algorithm, neuro-fuzzy algorithms, and soft computing approaches which significantly improves the prediction of critical cardiovascular abnormalities and other healthcare solutions to the ongoing challenging research.

Challenging historic assumptions about human relationships with nature, Jan G. Laitos examines how environmental laws have addressed environmental problems in the past, and the reasons for the laws' inability to successfully prevent environmental contamination and alterations of critical environmental systems. This forward-thinking book offers a creative and organic alternative to traditional but ultimately unsuccessful environmental rules. It explains the need for a new generation of environmental laws grounded in the universal laws of nature which might succeed where past and current approaches have largely failed.

Valued by instructors and students alike, Foundations of Marketing presents an accessible introduction to Marketing. Packed with examples and end of chapter case studies highlighting the real world application of marketing concepts, this fully updated Sixth Edition features digital marketing integrated throughout the chapters as well as a dedicate chapter on marketing planning and strategy. Discover: How marketing adds value to customers and organizations How innovative brand positioning drives commercial success How new digital marketing communication techniques are being used by companies to drive their brand awareness and engagement, as well as customer retention and conversion levels How marketing planning and strategy gives direction to an organization's marketing effort and co-ordinates its activities. Key features: Marketing Spotlights showcase the marketing innovations of brands including Adidas, Crayola, Samsung and KFC. Marketing in Action boxes offer varied examples of real companies' campaigns in the UK, Scandinavia, The Netherlands and internationally. Critical Marketing Perspective boxes encourage critical thinking of ethical debates to stimulate student discussion about socially responsible practice and encourage critical analysis of these issues. 12 brand new end of chapter Case Studies including Fjallraven, Primark, Uber and BrewDog give in-depth analysis of companies' marketing strategies, with dedicated questions to provoke student enquiry. Marketing Showcase videos feature interviews with business leaders and marketing professionals, offering insights into how different organisations have successfully harnessed the elements of the marketing mix. The emergence of cloud computing, internet of things, mobile technologies, and social networking have created better-connected members of the public who are digitally linked with each other in real time. Establishing this two-way interaction between citizens and governments has thus become attractive and an expected feature of governments worldwide. Previously, federal and local governments relied on first-generation technologies to provide basic levels of automation and digitization. Now, because of their desire to become more open, transparent, accountable, and connected, newer technologies including cloud computing,

comprehensive survey of the most important contemporary Irish and British poetry. The contributors provide new perspectives and positions on the topic. This important book:
Explores the institutions, histories, and receptions of contemporary Irish and British poetry
Contains contributions from leading scholars of British and Irish poetry
Includes an analysis of the most prominent Irish and British poets
Puts contemporary Irish and British poetry in context
Written for students and academics of contemporary poetry, *A Companion to Contemporary British and Irish Poetry, 1960-2015* offers a comprehensive review of contemporary poetry from a wide range of diverse contributors.

In this book, author Stephanie Katz, founding editor of the award-winning literary journal *805 Lit + Art*, shares practical tools and advice for starting successful creative publishing projects. Publishing benefits libraries by providing high-quality content to patrons, showcasing local writers and faculty, and creating buzz for the library. These endeavors can be launched at any type and size of library, often for little to no cost. *Libraries Publish* teaches libraries how to publish literary magazines, book review blogs, local anthologies, picture books, library professional journals, and even novels. You'll learn how to run a writing contest or writer-in-residence program, form community partnerships with other literary organizations, find funding, navigate legal considerations, market your publication, and more. Each chapter contains detailed information on how to start your project, including comprehensive checklists, recommendations for free software, and legal considerations. Social media strategies as well as tips for facilitating student or teen-run projects are also covered. If your library wants to start a publishing project, this book will be your go-to resource! Shows how each project fits into the mission of a library
Offers legal information including publishing rights and author publishing agreements
Reviews free and subscription software for websites, submissions management, layout, and communication with subscribers
Contains marketing and social media strategies for promoting a publication locally and nationally
Suggests ways to engage the community and build local partnerships

This book explores how best to invest in and nurture teachers. It examines deprofessionalisation and reprofessionalisation in the recent developments in the understanding of teaching and learning, including the effects of standardizing teaching, education shaped by student satisfaction data and basic skills tests. The book focuses on Australian context and takes on an international perspective. It investigates fundamental issues affecting teacher quality, morale, attrition and retention, learner and teacher autonomy, and assessment and evaluation. It encourages teachers and teacher educators to assert centrality to teachers and question and challenge outside forces that suppress teacher autonomy and associated agency and creativity. It challenges administrators and educational jurisdictions to rethink their assumptions on their own capacities and limitations and teachers' capabilities to shape education in optimal ways and the impact of outcomes of the decisions they make.

This volume provides an overview of the landscape of mediated female agencies and subjectivities in the last decade. In three sections, the book covers the films of women directors, television shows featuring women in lead roles, and the representational struggles of women in cultural context, with a special focus on changes in the transformative power of narratives and images across genres and platforms. This collection derives from the editors' multi-year experiences as scholars and practitioners in the field of film and television. It is an effort that aims to describe and understand female agencies and subjectivities across screen narratives, gather scholars from around the world to generate timely discussions, and inspire fellow researchers and practitioners of film and television.

This publication highlights the fast-moving technological advancement and infiltration of Artificial Intelligence into society. Concepts of evolution of society through interconnectivity are explored, together with how the fusion of human and technological interaction leading to Augmented Humanity is fast becoming more than just an endemic phase, but a cultural phase

shift to digital societies. It aims to balance both the positive progressive outlooks such developments bring with potential issues that may stem from innovation of this kind, such as the invasive procedures of bio hacking or ethical connotations concerning the usage of digital twins. This publication will also give the reader a good level of understanding on fundamental cyber defence principles, interactions with Critical National Infrastructure (CNI) and the Command, Control, Communications and Intelligence (C3I) decision-making framework. A detailed view of the cyber-attack landscape will be garnered; touching on the tactics, techniques and procedures used, red and blue teaming initiatives, cyber resilience and the protection of larger scale systems. The integration of AI, smart societies, the human-centric approach and Augmented Humanity is discernible in the exponential growth, collection and use of [big] data; concepts woven throughout the diversity of topics covered in this publication; which also discusses the privacy and transparency of data ownership, and the potential dangers of exploitation through social media. As humans are become ever more interconnected, with the prolificacy of smart wearable devices and wearable body area networks, the availability of and abundance of user data and metadata derived from individuals has grown exponentially. The notion of data ownership, privacy and situational awareness are now at the forefront in this new age.

This book examines the foundations of Chinas grand strategy as it is critical to any assessment of current and future Chinese regional and global strategic behavior, especially Beijings policies toward the USA. This eclectic study aims to analyze the Chinese and American current flexible grand strategies, based on present complexity and disorder. It identifies the major building blocks of both strategies, their major material, and ideational drivers and assesses how they might evolve in the future. Additionally, the author looks at Chinas relations with important international players such as Russia, ASEAN, UN, EU, and BRICS. Nicolai Mladenov is Postdoctoral Researcher in the Department of Political Science at Ghent University and a former senior diplomat at the Bulgarian Embassy in Brussels, Belgium.

This work provides an evenhanded and authoritative overview of vaping and its impact on American culture and public health, especially among younger Americans.

- Devotes individual entries to specific events and milestones
- Profiles important activists and other notable figures
- Explores the lasting impact of the event on American life in essays
- Includes a bibliography of sources for further study

Fully revised, *Tourism*, 2nd edition covers aspects of tourism from a modern perspective, providing students with a range of theoretical and research-based explanations, supported by examples, case studies and unique insights from industry representatives. Covering topics such as policy and planning, heritage management, leisure management, event management and hospitality management, the book tackles the practical elements of academic tourism such as infrastructure management and economic development, together with other important contemporary issues such as sustainable development and post-tourists.

This book provides the latest viewpoints of scientific research in the field of e-business. It is organized into three sections: "Higher Education and Digital

Economy Development”, “Artificial Intelligence in E-Business”, and “Business Intelligence Applications”. Chapters focus on China’s higher education in e-commerce, digital economy development, natural language processing applications in business, Information Technology Governance, Risk and Compliance (IT GRC), business intelligence, and more.

A NEW YORK TIMES BESTSELLER “Brilliant and enthralling.”? —The Wall Street Journal A paradigm-shifting book from an acclaimed Harvard Medical School scientist and one of Time’s most influential people. It’s a seemingly undeniable truth that aging is inevitable. But what if everything we’ve been taught to believe about aging is wrong? What if we could choose our lifespan? In this groundbreaking book, Dr. David Sinclair, leading world authority on genetics and longevity, reveals a bold new theory for why we age. As he writes: “Aging is a disease, and that disease is treatable.” This eye-opening and provocative work takes us to the frontlines of research that is pushing the boundaries on our perceived scientific limitations, revealing incredible breakthroughs—many from Dr. David Sinclair’s own lab at Harvard—that demonstrate how we can slow down, or even reverse, aging. The key is activating newly discovered vitality genes, the descendants of an ancient genetic survival circuit that is both the cause of aging and the key to reversing it. Recent experiments in genetic reprogramming suggest that in the near future we may not just be able to feel younger, but actually become younger. Through a page-turning narrative, Dr. Sinclair invites you into the process of scientific discovery and reveals the emerging technologies and simple lifestyle changes—such as intermittent fasting, cold exposure, exercising with the right intensity, and eating less meat—that have been shown to help us live younger and healthier for longer. At once a roadmap for taking charge of our own health destiny and a bold new vision for the future of humankind, *Lifespan* will forever change the way we think about why we age and what we can do about it.

Introduction to Health Care Management, Fourth Edition is a concise, reader-friendly, introductory healthcare management text that covers a wide variety of healthcare settings, from hospitals to nursing homes and clinics. Filled with examples to engage the reader's imagination, the important issues in healthcare management, such as ethics, cost management, strategic planning and marketing, information technology, and human resources, are all thoroughly covered. Guidelines and rubrics along with numerous case studies make this text both student-friendly and teacher-friendly. It is the perfect resource for students of healthcare management, nursing, allied health, business administration, pharmacy, occupational therapy, public administration, and public health.

Global Crossroads: Rethinking Dominant Orders in Our Contested World is an edited collection of papers mostly presented at the 2019 DEN International Student Conference. This publication is one of the many annual projects conducted under the umbrella of the Democratic Education Network (DEN) which came to existence in 2016 at the then Department of Politics and International

Relations at the University of Westminster. Today DEN has expanded across multiple departments within the University's School of Social Sciences, aiming to inspire engagement with communities and involvement in student-led projects. DEN aspires to be a platform for empowering students, offering them opportunities for personal, intellectual and professional development, and enhancing students' engagement and experience. This book is an articulation of the students' research and analytical work on some of the most pressing global issues of our times. It is, further, a product of their hard work and skills, developed through DEN, in editing and compiling academic publications — a testimony to DEN's ability to encourage and empower students to work together and achieve remarkable results.

This book examines our contemporary preoccupation with risk and how criminal law and punishment have been transformed as a result of these anxieties. It adopts an historical approach to examine the development of risk control measures used across the US, UK, New Zealand, Australia and Canada - particularly since the 1980's - with the rise of the "security sanction". It also takes a criminological and sociological approach to analysing shifts in criminal law and punishment and its implications for contemporary society and criminal justice systems. *Law, Insecurity and Risk Control* analyses the range and scope of the 'security sanction' and its immobilizing measures, ranging from control over minor incivilities to the most serious crimes. Despite these innovations, though, it argues that our anxieties about risk have become so extensive that the "security sanction" is no longer sufficient to provide social stability and cohesion. As a consequence, people have been attracted to the 'magic' of populism in a revolt against mainstream politics and organisations of government, as with the EU referendum in the UK and the US presidential election of Donald Trump in 2016. While there have been political manoeuvrings to rein back risk and place new controls on it, these have only brought further disillusionment, insecurity and anxiety. This book argues that the "security sanction" is likely to become more deeply embedded in the criminal justice systems of these societies, as new risks to both the well-being of individuals and the nation state are identified.

This engaging text provides a sociological perspective on health, illness, and health care. Serving as an introduction to medical sociology for undergraduate and graduate students, it also presents a summary of the field for medical sociologists and for public health scholars and practitioners. A highlight of the text is its emphasis on the social roots of health and disease and on the impact of social inequality on health disparities and the quality of health care. The book also critically examines health care in the United States and around the world and evaluates the achievements and limitations of the Affordable Care Act and other recent health care reform efforts.

Managing Cities at Night A Practitioner Guide to the Urban Governance of the Night-Time Economy
Policy Press

Exploring why South Africans rarely use activism to address food insecurity, this study proposes ways to reclaim the power of collective action.

The election of President Donald Trump has been portrayed in the mainstream media as a doomsday event—especially for America's racial minorities. And yet, reality has proven quite

the contrary. Not only are African Americans employed at a greater rate than any other time since the late 1950s, black business formation is at an all-time high. In this groundbreaking book, longtime academic and political commentator Horace Cooper explains how Trump's economic policies—including lowering taxes, eliminating stifling regulation, and renegotiating trade agreements—are producing an unforeseen boon to Black America. This book provides a philosophical framework through which Trump's presidency can be viewed as a benefit to Black America, rather than a stumbling block.

Food markets in 2019/20 are bracing for some additional uncertainties beyond their own fundamentals. A fast-changing trade environment and the rapid spread of African Swine Fever constitute important challenges to overcome. However, prospects point to generally well supplied markets, which is seen to contribute to a lower food import bill in 2019.

In *The Immigration Crisis in Europe and the U.S.-Mexico Border in the New Era of Heightened Nativism*, Victoria Carty compares the immigration crises in the European Union and the United States. Beginning in 2014, the Arab Spring upheavals and failed states in Northern Africa and the Middle East overwhelmed many European countries which the European Union system was not prepared for. In the Americas, failed states in Central America such as Honduras, Guatemala, and El Salvador also led to an unexpected influx of immigrants to the United States, many of them unaccompanied minors, fleeing gangs, violence and poverty. In *The Immigration Crisis in Europe and the U.S.-Mexico Border*, Carty studies theories of immigration, social movements, and critical race theory to provide a better understanding of the current immigration crises in Europe and the United States. Carty shows that the high volume of immigration in both the EU and the United States has led to a resurgence of nativist sentiments and white supremacy groups.

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