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KEY=SYSTEM - RAMOS SMITH

Application of Intelligent Systems in Multi-modal Information Analytics The 4th International Conference on Multi-modal Information Analytics (ICMMIA 2022), Volume 2 Springer Nature This book provides comprehensive coverage of the latest advances and trends in information technology, science and engineering. Specifically, it addresses a number of broad themes, including multi-modal informatics, data mining, agent-based and multi-agent systems for health and education informatics, which inspire the development of intelligent information technologies. The book covers a wide range of topics such as AI applications and innovations in health and education informatics; data and knowledge management; multi-modal application management; and web/social media mining for multi-modal informatics. Outlining promising future research directions, the book is a valuable resource for students, researchers and professionals and a useful reference guide for newcomers to the field. This book is a compilation of the papers presented in the 4th International Conference on Multi-modal Information Analytics, held online, on April 23, 2022. **Handbook of Research on Digital Communications, Internet of Things, and the Future of Cultural Tourism IGI Global** Digital communication is significantly expanding new opportunities and challenges in the tourism industry. Tourists, now more frequently than ever, bring their smartphones with them to every destination, and cultural tourists are particularly motivated to utilize a variety of services and platforms as they are especially open and interested in understanding in detail the places and heritage of the places they visit. Thus, researchers, educators, and professionals in the tourism and hospitality field should take advantage of this opportunity to propose new ways of presenting better content and creating a more immersive and optimized experience for tourists. The Handbook of Research on Digital Communications, Internet of Things, and the Future of Cultural Tourism shares research and experiences on the convergence between digital communication and cultural tourism, specifically the migration and creative

appropriation of these technologies for increased tourist engagement and their role in destination marketing and strategic planning and decision making. Covering topics such as big data, e-tourism, and social media platforms, this major reference work is an invaluable resource for researchers, students, professors, academicians, government entities, museum managers, professionals, and cultural tourism managers and facilitators. **Tourism Information Technology, 3rd Edition CABI** This third edition of Tourism Information Technology provides a contemporary update on the complexities of using information technology in the tourism industry. It examines IT applications in all sectors including airlines, travel intermediaries, accommodation, food service, destinations, attractions, events and entertainment. Fully updated throughout and organized around the stages of the visitor journey, the book reviews how tourists are using technologies to support decision making before their trip, during their travels and at the destination. It: - Provides comprehensive and up to date coverage of all key topics in tourism information technologies - Covers new areas such as (among others) augmented and virtual reality, robotics, smart destinations, disruptive innovation and the collaborative economy, crowdsourcing for sustainability, online reputation management and big data - Incorporates a wealth of pedagogic features to aid student learning, including key models and concepts, research and industry insights, case studies, key terms, discussion questions, and links to useful websites. Accompanied online by instructor PowerPoint slides, multiple choice questions and further case studies, this book provides a comprehensive and learning-focused text for students of tourism and related subjects. **Electronic HRM in the Smart Era Emerald Group Publishing** The HRM field is entering smart businesses where the human,digital and high-tech dimensions seem to increasingly converge, and HRM needsto anticipate its own smart future. Technological developments andinterconnectedness with and through the Internet (often called the "Internet ofThings") set new challenges for the HRM function. Smartness enacted by HRMprofessionals - notions of "smart industries", "smart things" and "smartservices" - all put new pressures on strategic HRM. Since the 1990s,organisations have increasingly been introducing electronic Human ResourceManagement (e-HRM), with the expectation of improving the quality of HRM andincreasing its contribution to firm performance. These beliefs originate fromideas about the endless possibilities of information technologies (IT) infacilitating HR practices, and about the infinite capacity of HRM to adopt IT.This book focuses on the progression from e-HRM to digital (d-HRM) -towards smart HRM. It also raises several important questions that businessesand scholars are confronted with: What kind of smart solution can and will HRMoffer to meet the expectations of thelatest business developments? Can HRM become smart and combinedigitisation, automation and a network approach? How do businesses futureprooftheir HRM in the smart era? What competences do employees need to ensurebusinesses flourish in smart industries? With rapid technological developments and ever-greater automation andinformation available, the HRM function needs to focus on non-routine andcomplex, evidence-based and science-inspired, and creative and value-addedprofessionally demanding tasks. **Big Data and Security Third International Conference, ICBDS 2021, Shenzhen, China, November 26–28, 2021, Proceedings Springer Nature** This book constitutes the refereed proceedings of

the Third International Conference on Big Data and Security, ICBDS 2021, held in Shenzhen, China, in November 2021 The 46 revised full papers and 13 short papers were carefully reviewed and selected out of 221 submissions. The papers included in this volume are organized according to the topical sections on cybersecurity and privacy; big data; blockchain and internet of things, and artificial intelligence/ machine learning security. **Proceedings of the International Scientific Conference "Smart Nations: Global Trends In The Digital Economy" Volume 2 Springer Nature** This book contains contributions from an international scientific conference, "Smart Nations: Global Trends In The Digital Economy", which was organized by the State University of Management (Moscow). By presenting international research on the issues of the Smart Nations concept, this book includes topics such as smart business in a "smart city", digital marketing systems and Smart Nations phenomenon: social and business aspects. The conference proceedings cover legal, informational, technological and other aspects of socio-economic development in the context of digital innovations. This work provides significant value for scientists, teachers and students of higher educational institutions and specialists, who are researching socio-economic development issues in the era of smart technologies. **Handbook on Tourism and China Edward Elgar Publishing** Covering a wide range of current issues, this comprehensive Handbook explores the links between tourism as a dynamic tertiary industry and China as the world's most influential tourism market and destination. **Handbook of Research on Smart Management for Digital Transformation IGI Global** In a global and digital society, businesses are constantly being challenged by innovative and disruptive management strategies. The dramatic changes that took place in all corners of the world during the COVID-19 pandemic confirmed that companies need to update their resources and anticipate trends. The current changes introduced by digitalization offer endless innovation scenarios and strategic opportunities to companies but also demand an accurate and structured analysis of drivers, motivations, and determinants for success in this transformation. The Handbook of Research on Smart Management for Digital Transformation analyzes the drivers of digital transformation in businesses and assesses digital transformation success factors in the short, medium, and long run. This critical reference source is comprised of theoretical and empirical chapters as well as case studies on digital adoption by companies in different business sectors. Covering topics such as brand messaging, digital media platforms, and success determinants, this book is an essential resource for managers, researchers, educators of higher education, business students, digital strategists, business associations, communication and marketing agencies, entrepreneurs, and academicians. **Digital Services and Information Intelligence 13th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2014, Sanya, China, November 28-30, 2014, Proceedings Springer** This book constitutes the refereed conference proceedings of the 13th IFIP WG 6.11 Conference on e-Business, e-Services and e-Society, I3E 2014, held in Sanya, China, in November 2014. The 32 revised full papers presented were carefully reviewed and selected from 42 submissions. They are organized in the following topical sections: digital services, digital society, and digital business. **Handbook of Research on Smart Technology Applications in the Tourism Industry IGI Global** In today's

modernized society, certain technologies have become more applicable within many professional fields and are much easier to implement. This includes the tourism industry, where smart technology has provided a range of new marketing possibilities including more effective sales tactics and delivering a more personalized customer experience. As the scope of business analytics continues to expand, professionals need research on the various applications of smart technology within the field of tourism. The Handbook of Research on Smart Technology Applications in the Tourism Industry is an essential reference source that discusses the use of intelligent systems in tourism as well as their influence on consumer relationships. Featuring research on topics such as digital advertising, wearable technology, and consumer behavior, this book is ideally designed for travel agents, tour developers, restaurateurs, hotel managers, tour directors, airlines, marketers, researchers, managers, hospitality professionals, policymakers, business strategists, researchers, academicians, and students seeking coverage on the use of smart technologies in tourism. **Session Notes for the Water Systems Management Workshop ... Writer's Manor Hotel, Denver, Colorado ... February 4-8, 1985 Smart Trends in Computing and Communications Proceedings of SmartCom 2022 Springer Nature** This book gathers high-quality papers presented at the Sixth International Conference on Smart Trends in Computing and Communications (SmartCom 2022), organized by Global Knowledge Research Foundation (GR Foundation) in partnership with IFIP InterYIT during January 11–12, 2022. It covers the state of the art and emerging topics in information, computer communications, and effective strategies for their use in engineering and managerial applications. It also explores and discusses the latest technological advances in, and future directions for, information and knowledge computing and its applications. **InfoWorld** InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. **"The State of Technological Innovation Related to the Electric Grid" Hearing Before the Committee on Energy and Natural Resources, United States Senate, One Hundred Fourteenth Congress, First Session ... March 17, 2015 Knowledge Management in Hospitality and Tourism CRC Press** When knowledge is properly managed, it's in the hands of those who need it BEFORE they need it. This greatly improves the speed of business operations by eliminating time-consuming information searching! This book will show you how to make any hospitality or tourism related business more efficient and competitive by using knowledge management concepts and techniques. It provides an essential introduction to the concept of knowledge management plus fascinating case studies, strategic advice, and structural recommendations for its implementation. You'll learn to use knowledge management to avoid the duplication of research, reducing the cost of product research and development and increasing the effectiveness of your overall operation. Helpful charts and figures make the information easy to access and understand. From the editors: "Although tourism and hospitality, with their geographically dispersed units, can profit from enhanced knowledge management, only a small number of firms have implemented knowledge management techniques. A recent study shows that although managers in many hotels consider knowledge management and information transfer to be 'relevant concepts,' they

report being confronted with too many—and unclear—knowledge management strategies, activities, and implementation techniques. As a result, they are not sufficiently familiar with knowledge management and reject implementing it. This book will increase understanding of these concepts and help to speed the implementation of knowledge management in the hospitality and tourism industries." This book will show you how to make any hospitality or tourism related business more competitive by using knowledge management concepts and techniques. It provides an essential introduction to the concept of knowledge management, with fascinating case studies as well strategic advice and structural recommendations for its implementation. In addition, you'll find: analyses of various aspects of knowledge management in hotels an examination of an Internet-based knowledge management system and its sources, repositories, taxonomy, services, applications, and user interfaces the advent of the "knowledge café" and what it means to the travel and tourism industries the knowledge supply chain matrix, which combines strategic and operative aspects of knowledge management—with a practical example drawn from the airline industry new developments in software applications for cross-border destination management, with an example drawn from the new "AlpNet" project that demonstrates the importance of cooperation and of member-specific requirements insightful thoughts about mental models as they relate to tourism—what they are and how understanding them can lead to lower degrees of mistrust and more efficient operation of tourism-based businesses essential information about database marketing, data mining, and knowledge discovery, with introductions to decision tree classifiers, regression analysis, induction programming logic, and probabilistic rules **Innovative Technologies and Services for Smart Cities MDPI** A smart city is a modern technology-driven urban area which uses sensing devices, information, and communication technology connected to the internet of things (IoTs) for the optimum and efficient utilization of infrastructures and services with the goal of improving the living conditions of citizens. Increasing populations, lower budgets, limited resources, and compatibility of the upgraded technologies are some of the few problems affecting the implementation of smart cities. Hence, there is continuous advancement regarding technologies for the implementation of smart cities. The aim of this Special Issue is to report on the design and development of integrated/smart sensors, a universal interfacing platform, along with the IoT framework, extending it to next-generation communication networks for monitoring parameters of interest with the goal of achieving smart cities. The proposed universal interfacing platform with the IoT framework will solve many challenging issues and significantly boost the growth of IoT-related applications, not just in the environmental monitoring domain but in the other key areas, such as smart home, assistive technology for the elderly care, smart city with smart waste management, smart E-metering, smart water supply, intelligent traffic control, smart grid, remote healthcare applications, etc., signifying benefits for all countries. **Intelligent Systems Design and Applications 18th International Conference on Intelligent Systems Design and Applications (ISDA 2018) held in Vellore, India, December 6-8, 2018, Volume 1 Springer** This book highlights recent research on Intelligent Systems and Nature Inspired Computing. It presents 212 selected papers from the 18th International Conference

on Intelligent Systems Design and Applications (ISDA 2018) and the 10th World Congress on Nature and Biologically Inspired Computing (NaBIC), which was held at VIT University, India. ISDA-NaBIC 2018 was a premier conference in the field of Computational Intelligence and brought together researchers, engineers and practitioners whose work involved intelligent systems and their applications in industry and the "real world." Including contributions by authors from over 40 countries, the book offers a valuable reference guide for all researchers, students and practitioners in the fields of Computer Science and Engineering. **Optimizing Digital Solutions for Hyper-Personalization in Tourism and Hospitality IGI Global** As hyper-personalization has yet to be perfected, developing hyper-personalized strategies presents a critical challenge; due to this, optimizing hyper-personalization and designing new processes and business models takes center stage in tourism and hospitality to reach new levels of customer service and experience through the introduction and development of new solutions supported in the internet of things, software interfaces, artificial intelligence solutions, back-end and front-end management tools, and other emergent business intelligence strategies. Optimizing Digital Solutions for Hyper-Personalization in Tourism and Hospitality serves as an essential reference source that emphasizes the importance of hyper-personalization models, processes, strategies, and issues within tourism and hospitality fields with a particular focus on digital IT solutions. More than a simple starting point for a critical reflection on the state of the art of this sector, this book aims to contribute in an objective way to leveraging digital solutions to optimize the concept of hyper-personalization in the tourist experience. The content of this book covers research topics that include digital tourism and hospitality, consumer behavior, customer journey, and smart technologies and is ideal for professionals, executives, hotel managers, event coordinators, restaurateurs, travel agents, tour directors, policymakers, government officials, industry professionals, researchers, students, and academicians in the fields of tourism and hospitality management, marketing, and communications. **Artificial Intelligence Algorithms and Applications 11th International Symposium, ISICA 2019, Guangzhou, China, November 16–17, 2019, Revised Selected Papers Springer Nature** This book constitutes the thoroughly refereed proceedings of the 11th International Symposium on Intelligence Computation and Applications, ISICA 2019, held in Guangzhou, China, in November 2019. The 65 papers presented were carefully reviewed and selected from the total of 112 submissions. This volume features the most up-to-date research in evolutionary algorithms, parallel computing and quantum computing, evolutionary multi-objective and dynamic optimization, intelligent multimedia systems, virtualization and AI applications, smart scheduling, intelligent control, big data and cloud computing, deep learning, and hybrid machine learning systems.The papers are organized according to the following topical sections: new frontier in evolutionary algorithms; evolutionary multi-objective and dynamic optimization; intelligent multimedia systems; virtualization and AI applications; smart scheduling; intelligent control; big data and cloud computing; statistical learning. **The Impact of Artificial Intelligence on Governance, Economics and Finance, Volume 2 Springer Nature Hospitality Management and Digital Transformation Balancing Efficiency, Agility and Guest**

Experience in the Era of Disruption Routledge Hospitality managers are at a critical inflection point. Digital technology advancements are ramping up guest expectations and introducing nontraditional competitors that are beginning to disrupt the whole industry. The hospitality managers whose organizations are to thrive need to get their organizations into a position where they can effectively leverage digital technologies to simultaneously deliver breakthroughs in efficiency, agility, and guest experience. Hospitality Management and Digital Transformation is a much-needed guidebook to digital disruption and transformation for current and prospective hospitality and leisure managers. The book: • Explains digital technology advancements, how they cause disruption, and the implications of this disruption for hospitality and leisure organizations. • Explains the digital business and digital transformation imperative for hospitality and leisure organizations. • Discusses the different digital capabilities required to effectively compete as a digital business. • Discusses the new and/or enhanced roles hospitality and leisure managers need to play in effecting the different digital capabilities, as well as the competencies required to play these roles. • Discusses how hospitality and leisure managers can keep up with digital technology advancements. • Unpacks more than 36 key digital technology advancements, discussing what they are, how they work, and how they can be implemented across the hospitality and leisure industry. This book will be useful for advanced undergraduate and postgraduate students studying strategic management, IT, information systems, or digital business–related courses as part of degrees in hospitality and leisure management; as well as practitioners studying for professional qualifications. **Brand, Label, and Product Intelligence Second International Conference, COBLI 2021 Springer Nature** This book contains the latest and most up-to-date research results from the fields of brands, labels and product, presented at the international colloquium COBLI 2021, held in Orleans, France. It covers a wide range of topics from the fields of economics, psychology, information technology and social sciences. In particular, the book deals with various areas of application such as consumer behavior in the omnichannel, the influence of the coronavirus pandemic on attitudes and customer behavior, franchising, origin labelling, transparency in the agri-food industry, tourism and the triptych of brand/label/product. The contributions are gathered under the following main topics: Consumer behavior and decisions, labeling strategy, brand market trends, branding of local brands, territorial impact on brand/label/product, theoretical and managerial research methods. **Handbook of Technology Application in Tourism in Asia Springer Nature** It is an undisputed reality that the tourism industry in Asia is getting exposed to more innovative technologies than ever before. This proposed book provides the latest research in the application of innovative technology to the tourism industry, covering the perspectives, innovativeness, theories, issues, complexities, opportunities and challenges. This book, a blend of comprehensive and extensive effort by the contributors and editors, is designed to cover the application and practice of technology in tourism, including the relevant niches. This book focuses on the importance of technology in tourism. This also highlights, in a comprehensive manner, specific technologies that are impacting the tourism industry in Asia, as well as the constraints the industry is facing. The contents of this book deal with distinct topics, such as mobile computing, new product designs,

innovative technology usages in tourism promotion, technology-driven sustainable tourism development, location-based apps, mobility, accessibility and so on. A good number of research studies have conducted outlining the contributions and importance of technologies in tourism, in general. However, the tourism industry of Asia so far has attracted very few researchers. Some contributions have been made but not sufficient. Considering the ongoing trend of technology application in the tourism industry in Asia, very few research attempts have been made aiming to explore diverse aspects. Tourism is expanding enormously across the world. which actually creates more demands for effective technologies. This book will be a reading companion, especially for tourism students in higher academic institutions. This book will also be read by the relevant policy planners and industry professionals. Apart from them, this book will be appreciated by expatriate researchers and researchers having keen interest in the Asian tourism industry. **Tourism Management in Southern Africa Pearson South Africa Security and Privacy in New Computing Environments Third EAI International Conference, SPNCE 2020, Lyngby, Denmark, August 6-7, 2020, Proceedings Springer Nature** This book constitutes the refereed proceedings of the Third International Conference on Security and Privacy in New Computing Environments, SPNCE 2020, held in August 2020. Due to COVID-19 pandemic the conference was held virtually. The 31 full papers were selected from 63 submissions and are grouped into topics on network security; system security; machine learning; authentication and access control; cloud security; cryptography; applied cryptography. **Smart Systems Design, Applications, and Challenges IGI Global** Smart systems when connected to artificial intelligence (AI) are still closely associated with some popular misconceptions that cause the general public to either have unrealistic fears about AI or to expect too much about how it will change our workplace and life in general. It is important to show that such fears are unfounded, and that new trends, technologies, and smart systems will be able to improve the way we live, benefiting society without replacing humans in their core activities. Smart Systems Design, Applications, and Challenges provides emerging research that presents state-of-the-art technologies and available systems in the domains of smart systems and AI and explains solutions from an augmented intelligence perspective, showing that these technologies can be used to benefit, instead of replace, humans by augmenting the information and actions of their daily lives. The book addresses all smart systems that incorporate functions of sensing, actuation, and control in order to describe and analyze a situation and make decisions based on the available data in a predictive or adaptive manner. Highlighting a broad range of topics such as business intelligence, cloud computing, and autonomous vehicles, this book is ideally designed for engineers, investigators, IT professionals, researchers, developers, data analysts, professors, and students. **Handbook of E-Tourism Springer Nature** This handbook provides an authoritative and truly comprehensive overview both of the diverse applications of information and communication technologies (ICTs) within the travel and tourism industry and of e-tourism as a field of scientific inquiry that has grown and matured beyond recognition. Leading experts from around the world describe cutting-edge ideas and developments, present key concepts and theories, and discuss the full range of research methods. The coverage accordingly

encompasses everything from big data and analytics to psychology, user behavior, online marketing, supply chain and operations management, smart business networks, policy and regulatory issues – and much, much more. The goal is to provide an outstanding reference that summarizes and synthesizes current knowledge and establishes the theoretical and methodological foundations for further study of the role of ICTs in travel and tourism. The handbook will meet the needs of researchers and students in various disciplines as well as industry professionals. As with all volumes in Springer's Major Reference Works program, readers will benefit from access to a continually updated online version.

Digitalization as a Driver for Smart Economy in the Post-COVID-19 Era IGI Global The COVID-19 pandemic has accelerated the implementation of digital transformation strategies, and there has been an exponential increase in the demand for intelligent and reliable communications solutions. The pandemic brings huge challenges for all economic agents, as resilience and the capacity to adapt to new risks and hindrances are now fundamental elements in our societies. In this context, it is essential that digitalization brings opportunities to transition to a smarter economy based on innovation, sustainability, and well-being. Digitalization as a Driver for Smart Economy in the Post-COVID-19 Era discusses digitalization, information and communication technologies, marketing, entrepreneurship, and innovation in an organizational context to optimize the practices established in the most diverse domains of knowledge, specifically attending to the relation between digitalization and sustainability in a post-pandemic era. It is ideal for academicians, instructors, researchers, industry professionals, business managers, private institutions, and students as it covers a range of key topics such as sustainability and smart economy. **Integration of Data Mining in Business Intelligence Systems IGI Global** Uncovering and analyzing data associated with the current business environment is essential in maintaining a competitive edge. As such, making informed decisions based on this data is crucial to managers across industries. Integration of Data Mining in Business Intelligence Systems investigates the incorporation of data mining into business technologies used in the decision making process. Emphasizing cutting-edge research and relevant concepts in data discovery and analysis, this book is a comprehensive reference source for policymakers, academicians, researchers, students, technology developers, and professionals interested in the application of data mining techniques and practices in business information systems. **Technology Application in Tourism in Asia Innovations, Theories and Practices Springer Nature** This book very specifically focuses on technology application in tourism in Asia. The book contains twenty-seven chapters in four sections (i.e., theories, innovations, practices, and future research directions), based on the intriguing qualities and importance of technology applications in the Asian tourism business. This book, a blend of comprehensive and extensive efforts by the contributors and editor, is designed to extensively cover technology applications in tourism in Asia, including distinct topics such as mobile computing, new product designs, innovative technology usages in tourism promotion, technology-driven sustainable tourism development, location-based apps, mobility, accessibility, the post crisis situation of COVID-19, etc. This book is a significant contribution towards the very limited knowledge of technology applications in

tourism, with selected examples of Asian countries. The importance of technology in Asian tourism is rapidly increasing, and has led to a rise in luxury, allowing citizens to enjoy leisure travel over both long and short distances. The rise of low-cost airlines and the region's growing, affluent middle class have changed the tourism environment dramatically. More tourists are booking their holidays online as a result of technological advancements. Online travel is the most important and well-established aspect of Asia's Internet economy. Considering the ongoing trend of technology applications in the tourism industry in Asia, more research attempts like this book need to be made aiming towards exploring diverse aspects. As tourism is an expanding area, this book can serve as a reading companion for tourism students, policy planners and industry professionals. This book is expected to be appreciated by expatriate researchers and researchers having a keen interest in the Asian tourism industry. **InfoWorld** InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. **Air University Library Index to Military Periodicals Proceedings of the 5th European Conference on Intellectual Capital ECIC 2013 Academic Conferences Limited Small and Medium Enterprises Concepts, Methodologies, Tools, and Applications IGI Global** "This book provides a comprehensive collection of research on current technological developments and organizational perspectives on the scale of small and medium enterprises"--Provided by publisher. **Intelligent Information and Database Systems 11th Asian Conference, ACIIDS 2019, Yogyakarta, Indonesia, April 8–11, 2019, Proceedings, Part II Springer** The two-volume set LNAI 11431 and 11432 constitutes the refereed proceedings of the 11th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2019, held in Yogyakarta, Indonesia, in April 2019. The total of 124 full papers accepted for publication in these proceedings were carefully reviewed and selected from 309 submissions. The papers of the first volume are organized in the following topical sections: knowledge engineering and semantic web; text processing and information retrieval; machine learning and data mining; decision support and control systems; computer vision techniques; and databases and intelligent information systems. The papers of the second volume are divided into these topical sections: collective intelligence for service innovation, technology management, E-learning, and fuzzy intelligent systems; data structures modelling for knowledge representation; advanced data mining techniques and applications; intelligent information systems; intelligent methods and artificial intelligence for biomedical decision support systems; intelligent and contextual systems; intelligent systems and algorithms in information sciences; intelligent supply chains and e-commerce; sensor networks and Internet of Things; analysis of image, video, movements and brain intelligence in life sciences; and computer vision and intelligent systems. **Handbook of Research on Applied Data Science and Artificial Intelligence in Business and Industry IGI Global** The contemporary world lives on the data produced at an unprecedented speed through social networks and the internet of things (IoT). Data has been called the new global currency, and its rise is transforming entire industries, providing a wealth of opportunities. Applied data science research is necessary to derive useful information from big data for the effective and efficient utilization to solve real-world

problems. A broad analytical set allied with strong business logic is fundamental in today's corporations. Organizations work to obtain competitive advantage by analyzing the data produced within and outside their organizational limits to support their decision-making processes. This book aims to provide an overview of the concepts, tools, and techniques behind the fields of data science and artificial intelligence (AI) applied to business and industries. The Handbook of Research on Applied Data Science and Artificial Intelligence in Business and Industry discusses all stages of data science to AI and their application to real problems across industries—from science and engineering to academia and commerce. This book brings together practice and science to build successful data solutions, showing how to uncover hidden patterns and leverage them to improve all aspects of business performance by making sense of data from both web and offline environments. Covering topics including applied AI, consumer behavior analytics, and machine learning, this text is essential for data scientists, IT specialists, managers, executives, software and computer engineers, researchers, practitioners, academicians, and students. **CIO InfoWorld** InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. **Applications of Artificial Intelligence in Business, Education and Healthcare Springer Nature** This book focuses on the implementation of Artificial Intelligence in Business, Education and Healthcare, It includes research articles and expository papers on the applications of Artificial Intelligence on Decision Making, Entrepreneurship, Social Media, Healthcare, Education, Public Sector, FinTech, and RegTech. It also discusses the role of Artificial Intelligence in the current COVID-19 pandemic, in the health sector, education, and others. It also discusses the impact of Artificial Intelligence on decision-making in vital sectors of the economy. **Digital Transformation in the Cultural Heritage Sector Challenges to Marketing in the New Digital Era Springer Nature** This book devises an alternative conceptual framework to understand digital transformation in the cultural heritage sector. It achieves this by placing a high importance on the role of technology in the strategic process of modeling and developing cultural services in the digital era. The focus is on how marketing activities and customer processes are being transformed by digital technologies to create better value, which can also be communicated to customers through an engaged and personalized approach. Much of the digital debate in cultural heritage is still in infancy. Some existing studies are anecdotal and often developed within the domain of established research streams, including studies with some technological aspects addressed partially and from an episodic or periodic perspective. Moreover, the critical changes that have emerged in the cultural management landscape are yet to be highlighted. This book fills that gap and provides a perspective on the cultural heritage sector, which uses the new social and technology landscape to describe the digital transformation in cultural heritage sectors. The authors highlight an inclusive perspective that addresses marketing strategy in the digital era as a proactive, technology-enabled process by which firms collaborate with customers to jointly create, communicate, deliver, and sustain experience and value co-creation.