

Ethics Of Big Data Balancing Risk And Innovation

Smart Cities: Big Data Prediction Methods and Applications Big Data and Mobility as a Service Big Data, Cloud and Applications The Handbook of Privacy Studies Clinical Practice and Unmet Challenges in AI-Enhanced Healthcare Systems Artificial Intelligence and Security Proceedings of the Fourth International Forum on Decision Sciences Industry 4.0 and Sustainability ECKM2015-16th European Conference on Knowledge Management Industry 4.0 Ethics of Big Data Proceedings of the 20th International Conference on Very Large Data Bases Very Large Data Bases Proceedings of the Thirteenth International Conference on Very Large Data Bases Tenth International Conference on Very Large Data Bases Design and Implementation of Large Spatial Databases The Journal of Mental Science The Balance Sheet Proceedings of the Third IEEE International Symposium on High Performance Distributed Computing Balance Hui Liu Haoran Zhang Youness Tabii Bart Sloot Liu, Haipeng Xingming Sun Xiang Li M. Imran Khan Maurizio Massaro and Andrea Garlatti Aydin Azizi Kord Davis Jorge Bocca Wesley W. Chu P. Hammersley Umeshwar Dayal

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smart cities big data prediction methods and applications is the first reference to provide a comprehensive overview of smart cities with the latest big data predicting techniques this timely book discusses big data forecasting for smart cities it introduces big data forecasting techniques for the key aspects e g traffic environment building energy green grid etc of smart cities and explores three key areas that can be improved using big data prediction grid energy road traffic networks and environmental health in smart cities the big data prediction methods proposed in this book are highly significant in terms of the planning construction management control and development of green and smart cities including numerous case studies to explain each method and model this easy to understand book appeals to scientists engineers college students postgraduates teachers and managers from various fields of artificial intelligence smart cities smart grid intelligent traffic systems intelligent environments and big data computing

big data and mobility as a service explores maas platforms that can be adaptable to the ever evolving mobility environment it looks at multi mode urban crowd data to assess urban mobility characteristics their shared transportation potential and their performance conditions and constraints the book analyzes the roles of

multimodality travel behavior urban mobility dynamics and participation combined with insights on using big data to analyze market and policy decisions this book is an essential tool for urban transportation management researchers and practitioners summarizes current fundamental maas technologies shows how to utilize anonymous big data for transportation analysis and problem solving illustrates with data enabled shared transportation service examples from different countries the similarities and differences within a global urban mobility framework

this book constitutes the thoroughly refereed proceedings of the third international conference on big data cloud and applications bdca 2018 held in kenitra morocco in april 2018 the 45 revised full papers presented in this book were carefully selected from 99 submissions with a thorough double blind review process they focus on the following topics big data cloud computing machine learning deep learning data analysis neural networks information system and social media image processing and applications and natural language processing

the handbook of privacy studies is the first book in the world that brings together several disciplinary perspectives on privacy such as the legal ethical medical informatics and anthropological perspective privacy is in the news almost every day mass surveillance by intelligence agencies the use of social media data for commercial profit and political microtargeting password hacks and identity theft new data protection regimes questionable reuse of medical data and concerns about how algorithms shape the way we think and decide this book offers interdisciplinary background information about these developments and explains how to understand and properly evaluate them the book is set up for use in interdisciplinary educational programmes each chapter provides a structured analysis of the role of privacy within that discipline its characteristics themes and debates as well as current challenges disciplinary approaches are presented in such a way that students and researchers from every scientific background can follow the argumentation and enrich their own understanding of privacy issues

as the demand for advanced technologies to revolutionize patient care intensifies the medical industry faces a pressing need to confront challenges hindering the assimilation of ai enhanced healthcare systems issues such as data interoperability ethical considerations and the translation of ai advancements into practical clinical applications pose formidable hurdles that demand immediate attention it is within this context of challenges and opportunities that the book clinical practice and unmet challenges in ai enhanced healthcare systems promises to pave the way for a transformative era in healthcare the book serves as a comprehensive guide for academic scholars researchers and healthcare professionals navigating the dynamic landscape of data driven ai enhanced healthcare by showcasing the latest advancements the book empowers its readers to not only comprehend the existing frontiers in data sciences and healthcare technologies but also to actively contribute to overcoming obstacles through detailed case studies and practical guidance the publication equips its audience with the skills necessary to implement ai in various clinical settings

this two volume set of Incs 12736 12737 constitutes the refereed proceedings of the 7th international conference on artificial intelligence and security icaais 2021 which was held in dublin ireland in july 2021 the conference was formerly called international conference on cloud computing and security with the acronym icccs the total of 93 full papers and 29 short papers presented in this two volume proceedings was carefully reviewed and selected from 1013 submissions overall a total of 224 full and 81 short papers were accepted for icaais 2021 the other accepted papers are presented in ccis 1422 1424 the papers were organized in topical sections as follows part i artificial intelligence and big data part ii big data cloud computing and security encryption and cybersecurity information hiding iot security and multimedia forensics

these conference proceedings focus on the topics of data driven decision making stochastic decision making fuzzy decision making and their applications in real life problems beijing university of chemical technology organized ifds2016 the 4th international forum on decision sciences with the theme data driven decision making the proceedings collect 84 selected papers presenting cutting edge modeling and solution methods and include numerous practical case studies making it a valuable resource for students researchers and practitioners working in the fields of decision science operations research management science and engineering

the fourth industrial revolution commonly termed industry 4.0 is transforming production and manufacturing through integration of advanced digital technologies like artificial intelligence ai industrial internet of things iiot big data analytics additive manufacturing and advanced robotics while much discussion has centered on potential economic impacts industry 4.0 also holds significant implications for sustainability across environmental social and economic dimensions however simply adopting technologies does not guarantee sustainability benefits and improperly managed they pose risks related to job losses inequality and rebound effects that must be addressed through integrative frameworks industry 4.0 and sustainability will provide the first comprehensive evidence based perspective unifying technological organizational policy and social considerations to strategically direct industry 4.0 innovations towards improved sustainability across economic environmental and social dimensions with applied case studies and integrated roadmaps spanning engineering management and policy it fills a crucial gap in guiding industry 4.0 deployments to accelerate progress on sustainable development goals understand capabilities of industry 4.0 technologies to transform manufacturing operations and business models towards sustainability learn integrative strategies combining technological and organizational interventions to maximize sustainability outcomes gain insights into implementation challenges and solutions from empirical case studies access innovative models and frameworks spanning engineering management and policy perspectives apply findings through recommendations and guidelines for research and practice appreciate nuances around balancing economic environmental and social sustainability develop interdisciplinary literacy at the nexus of digital technologies and sustainability

these proceedings represent the work of researchers presenting at the 16th european conference on knowledge management eckm 2015 we are delighted to be hosting eckm at the university of udine italy on the 3-4 september 2015 the conference will be opened with a keynote from dr madelyn blair from pelerei inc usa on the topic the role of km in building resilience on the afternoon of the first day dr daniela santarelli from lundbeck italy will deliver a second keynote speech the second day will be opened by dr john dumay from macquarie university sydney australia eckm is an established platform for academics concerned with current research and for those from the wider community involved in knowledge management to present their findings and ideas to peers from the km and associated fields eckm is also a valuable opportunity for face to face interaction with colleagues from similar areas of interests the conference has a well established history of helping attendees advance their understanding of how people organisations regions and even countries generate and exploit knowledge to achieve a competitive advantage and drive their innovations forward the range of issues and mix of approaches followed will ensure an interesting two days 260 abstracts were initially received for this conference however the academic rigor of eckm means that after the double blind peer review process there are 102 academic papers 15 phd research papers 1 masters research papers and 7 work in progress papers published in these conference proceedings these papers reflect the continuing interest and diversity in the field of knowledge management and they represent truly global research from many different countries including algeria austria bosnia and herzegovina brazil canada chile colombia cuba cyprus czech republic estonia finland france france germany hungary india indonesia iran ireland italy japan jordan kenya lithuania mexico nigeria norway pakistan poland portugal romania russia slovakia slovenia south africa spain sri lanka sultanate of oman sweden switzerland thailand the netherlands uk united arab emirates usa and venezuela

this book presents industry 4.0 enabler technologies and tools it also highlights some of the existing empirical applications in the context of manufacturing the book elucidates innovative thematic concepts of industry 4.0 and its perspectives it establishes routes to empirically utilize industry 4.0 standards for manufacturing companies the book can be used as a reference for professionals engineers researchers and students

what are your organization's policies for generating and using huge datasets full of personal information this book examines ethical questions raised by the big data phenomenon and explains why enterprises need to reconsider business decisions concerning privacy and identity authors kord davis and doug patterson provide methods and techniques to help your business engage in a transparent and productive ethical inquiry into your current data practices both individuals and organizations have legitimate interests in understanding how data is handled your use of data can directly affect brand quality and revenue as target apple netflix and dozens of other companies have discovered with this book you'll learn how to align your actions with explicit company values and preserve the trust of customers partners and stakeholders review your data handling practices and examine whether they reflect core organizational values express coherent and consistent positions on your organization's use of big data define tactical plans to close gaps between values and practices and discover how to maintain alignment as conditions change over time maintain a balance between the benefits of innovation and the risks of unintended consequences

the purpose of this conference series is to provide an international forum for the promotion of an understanding of current research the exchange of ideas experiences and future directions for database systems database techniques are expanding into many novel environments and application areas such as office systems database machines computer aided design computer aided manufacturing historical database systems distributed database systems knowledge based systems and the management of unformatted data such as text and graphical images the contents of these proceedings reflect these areas with forty six full papers two short papers and position papers for two panel sessions

the most recent developments in spatial data management are reported in these proceedings ssd 89 brought together computer scientists and experts from application areas such as geography computer vision robotics computer aided manufacturing and environmental information systems this proceedings volume includes subjects such as extensible database systems spatial data structures an index structures spatial reasoning geographic information systems quadrees and thematic map modeling publisher's website

the proceedings of hpdc 3 comprise three invited papers and 34 contributed papers in technical sessions devoted to software tools and environments high speed networks and applications hpdc applications mapping and scheduling distributed shared memory systems partitioning and load balancing fau

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