

data science education conference

Data Science Education Conference: Shaping the Future of Learning and Innovation

data science education conference events have rapidly become pivotal gatherings where educators, industry professionals, and researchers converge to discuss the evolving landscape of data science training and curriculum development. With the demand for data-literate professionals skyrocketing, these conferences serve as a melting pot for innovative teaching techniques, emerging tools, and collaborative strategies that prepare the next generation of data scientists. Whether you are an academic, a corporate trainer, or a student eager to deepen your understanding, attending or following a data science education conference offers invaluable insights that can transform how data science is taught and learned.

The Growing Importance of Data Science Education Conferences

In today's data-driven world, knowledge of data science isn't just a niche skill—it's becoming a foundational skill across industries. Data science education conferences respond to this trend by creating a platform where participants can explore the latest trends in curriculum design, technology integration, and pedagogical best practices. These events are essential because they:

- Highlight new educational technologies and software tools.
- Share research findings on effective teaching methods.
- Foster networks between academia and industry.
- Encourage discussions about curriculum standardization and inclusivity.

Such conferences also provide a glimpse into how educational institutions are adapting to the challenges of teaching data science in an interdisciplinary context, ensuring that learners gain both theoretical understanding and practical skills.

What to Expect at a Data Science Education Conference

Attending a data science education conference is much more than just listening to lectures. These events are carefully curated to include a variety of sessions and activities designed to engage participants actively.

Workshops and Hands-On Sessions

One of the most valuable aspects of these conferences is the opportunity to participate in workshops that cover real-world applications of data science. These sessions often focus on:

- Machine learning model building.

- Data visualization techniques.
- Programming in Python or R.
- Ethical considerations in data usage.

Through hands-on exercises, attendees can deepen their practical skills, making it easier to bring what they learn back to their classrooms or workplaces.

Panel Discussions and Keynotes

Leading experts in data science education share insights on emerging trends such as AI integration in teaching, data literacy initiatives, and diversity in STEM education. These talks inspire educators to rethink their methodologies and encourage institutions to adopt more inclusive and effective teaching models.

Networking Opportunities

Perhaps one of the most underrated benefits of data science education conferences is the chance to network. Whether you're looking to collaborate on research, find new teaching resources, or connect with potential mentors, the conference environment is fertile ground for building meaningful professional relationships.

Key Topics Explored at Data Science Education Conferences

The scope of discussions at these conferences is broad but always centered around improving how data science is taught and learned.

Curriculum Development and Standardization

As data science spans diverse fields like statistics, computer science, and domain-specific knowledge, educators face the challenge of creating comprehensive yet accessible curricula. Conferences often delve into how to balance foundational theory with hands-on experience and how to align courses with industry needs.

Incorporating Ethics and Responsible Data Use

With the increasing power of data science comes the responsibility to use data ethically. Many sessions focus on integrating ethics into the curriculum, helping students understand bias in algorithms, privacy concerns, and the societal impact of data-driven decisions.

Leveraging Technology in Education

From AI tutors to cloud-based data analytics platforms, technology is transforming education. Conferences showcase tools that can enhance interactive learning, automate grading, or simulate complex data scenarios, making learning more engaging and effective.

Addressing Diversity and Accessibility

Ensuring that data science education reaches underrepresented groups is a growing priority. Discussions around creating accessible learning materials, offering scholarships, and fostering inclusive classroom environments are common themes.

How to Maximize the Benefits of Attending a Data Science Education Conference

If you're planning to attend one of these conferences, a bit of preparation can go a long way in enhancing your experience.

- **Set clear goals:** Identify what you want to gain, whether it's networking, learning new tools, or curriculum ideas.
- **Plan your schedule:** Conferences often have multiple simultaneous sessions. Review the agenda beforehand to pick those most relevant to your interests.
- **Engage actively:** Ask questions, participate in discussions, and don't hesitate to approach speakers or fellow attendees.
- **Follow up:** After the event, connect with new contacts on LinkedIn or via email, and apply your newfound knowledge in your educational setting.

The Future of Data Science Education Conferences

As data science continues to evolve, so too will the nature of education conferences. We can expect more virtual and hybrid events, expanding accessibility globally. Additionally, emerging topics like quantum computing, augmented analytics, and AI-driven personalized learning systems will likely dominate future conversations. These conferences will remain essential in fostering dialogue between educators and industry leaders to keep curricula relevant and impactful.

Ultimately, data science education conferences are more than just events—they are catalysts for innovation, collaboration, and growth in a field that shapes the future of work, research, and

decision-making. Whether you're an educator, student, or professional, engaging with this community can open doors to new knowledge and opportunities that enrich your understanding of data science and its applications.

Frequently Asked Questions

What are the key topics covered at a data science education conference?

Key topics often include machine learning, data analysis techniques, curriculum development, emerging tools and technologies, ethical considerations in data science, and industry-academia collaboration.

Who should attend a data science education conference?

These conferences are ideal for educators, curriculum developers, data science professionals, researchers, students, and anyone involved in teaching or learning data science.

How do data science education conferences benefit educators?

Educators gain access to the latest teaching methodologies, network with peers, learn about new tools and resources, and collaborate on best practices to improve their data science courses.

What are some emerging trends discussed at data science education conferences?

Emerging trends include the integration of AI and deep learning in curricula, emphasis on ethical AI, use of cloud-based platforms for teaching, and hands-on project-based learning approaches.

Are there workshops available at data science education conferences?

Yes, many conferences offer hands-on workshops focused on programming languages like Python and R, data visualization, machine learning frameworks, and curriculum design.

How do data science education conferences address the skill gap in the industry?

They facilitate dialogue between academia and industry to align educational content with practical skills required in the workforce, helping to bridge the gap through updated curricula and training.

What role does technology play in data science education

conferences?

Technology is central, with sessions on new software, teaching tools, online learning platforms, and demonstrations of AI-powered educational applications.

Can students benefit from attending data science education conferences?

Absolutely; students can learn about current industry demands, network with professionals, participate in competitions, and gain insights into career pathways.

How do data science education conferences promote diversity and inclusion?

Conferences often feature panels and initiatives aimed at increasing participation from underrepresented groups and promoting inclusive teaching practices.

Where can I find upcoming data science education conferences?

Upcoming conferences can be found on professional organizations' websites, academic institutions, event platforms like Eventbrite, and specialized data science community forums.

Additional Resources

Data Science Education Conference: Advancing Knowledge and Innovation in a Rapidly Evolving Field

data science education conference events have become pivotal forums for educators, practitioners, researchers, and industry leaders to convene and explore the latest trends, methodologies, and challenges in teaching data science. As the demand for skilled data scientists surges across sectors, these conferences not only facilitate knowledge exchange but also shape the future trajectory of data science curricula and pedagogy. This article delves into the multifaceted nature of data science education conferences, examining their role in fostering collaboration, innovation, and standardization within this dynamic discipline.

The Growing Importance of Data Science Education Conferences

The proliferation of data-driven decision-making across industries has underscored the critical need for robust data science education programs. In response, data science education conferences have emerged as specialized platforms dedicated to addressing the nuances of teaching data science effectively. These events attract a diverse audience ranging from university professors and instructional designers to industry experts and policy makers, each bringing unique perspectives on

how best to prepare the next generation of data scientists.

One of the distinguishing features of a data science education conference is its focus on both theoretical foundations and practical applications. Sessions typically cover curriculum design, innovative teaching tools, assessment strategies, and the integration of emerging technologies such as machine learning frameworks and big data platforms into classroom settings. By fostering dialogue between academia and industry, these conferences help bridge the gap between educational content and real-world requirements.

Key Themes and Topics Explored

Data science education conferences tend to emphasize several core themes that reflect the evolving landscape of the field:

- **Curriculum Development:** Discussions often revolve around structuring interdisciplinary programs that combine statistics, computer science, and domain-specific knowledge.
- **Pedagogical Innovation:** Educators share best practices in active learning, project-based assignments, and flipped classroom techniques tailored for complex technical subjects.
- **Technology Integration:** The use of cloud computing resources, Jupyter notebooks, and open-source software tools to enhance hands-on learning experiences.
- **Student Assessment:** New methods for evaluating critical thinking, coding proficiency, and data interpretation skills beyond traditional exams.
- **Diversity and Inclusion:** Strategies to attract underrepresented groups into data science fields and create equitable learning environments.

These thematic areas reflect a holistic approach to education that addresses not only technical competence but also the socio-cultural dimensions of training future data scientists.

Comparative Analysis of Leading Data Science Education Conferences

Several prominent conferences have established themselves as benchmarks in this niche, each with distinct characteristics and outreach.

International Conference on Data Science Education (ICDSE)

ICDSE is widely recognized for its academic rigor and international scope. It attracts keynote speakers from top universities and research institutions, emphasizing peer-reviewed presentations

and workshops that delve deeply into pedagogical research. The conference often features special tracks dedicated to emerging topics such as ethical AI education and scalable data science instruction.

Strata Data & AI Conference

While broader in scope, Strata Data & AI includes a significant education component, particularly focused on industry practitioners transitioning into teaching roles or curriculum development. Its sessions highlight practical challenges in upskilling professionals and the intersection of corporate training with formal education.

EDUCAUSE Annual Conference

Although not solely focused on data science, EDUCAUSE offers valuable insights into educational technology and learning management systems that are increasingly relevant to data science educators. The conference supports conversations around digital transformation in higher education, including data science program delivery in hybrid and online formats.

In comparing these conferences, it becomes clear that the choice of venue depends on the attendee's primary interest—whether it is academic research, practical training, or educational technology innovation. Each offers complementary perspectives essential to advancing data science education holistically.

Advantages and Challenges of Attending Data Science Education Conferences

Participating in a data science education conference offers numerous benefits:

1. **Networking Opportunities:** Facilitates connections among educators, researchers, and industry leaders, enabling collaborations and mentorship.
2. **Access to Cutting-Edge Research:** Exposure to the latest studies and innovations in teaching methodologies and curriculum design.
3. **Professional Development:** Workshops and tutorials provide hands-on skills improvement and certification possibilities.
4. **Resource Sharing:** Access to open educational resources, datasets, and software tools that can be integrated into academic programs.

However, challenges also exist, such as:

- **Cost and Accessibility:** Registration fees and travel expenses may limit participation, particularly for educators from underfunded institutions or developing countries.
- **Content Overlap:** Some conferences may cover similar topics, reducing exposure to novel ideas unless carefully selected.
- **Rapidly Evolving Field:** The fast pace of change in data science can render some educational approaches obsolete quickly, necessitating continuous learning beyond conference attendance.

Addressing these challenges requires strategic planning by both organizers and participants to maximize the value derived from such events.

The Role of Virtual and Hybrid Formats

The shift toward virtual and hybrid conference models has broadened access to data science education conferences, allowing a more diverse group of attendees to benefit. Virtual platforms enable real-time interaction, recorded sessions for asynchronous learning, and reduced logistical barriers. However, they may also limit spontaneous networking and hands-on workshop experiences that are more effective in person.

Organizers are increasingly incorporating interactive features such as breakout rooms, live Q&A sessions, and virtual poster presentations to emulate in-person engagement. This evolution signifies a commitment to inclusivity and adaptability, crucial in a field that thrives on innovation.

Future Directions and Emerging Trends

Looking ahead, data science education conferences are poised to further integrate interdisciplinary approaches, reflecting the expanding application domains of data science—from healthcare and finance to environmental science and social policy. Conferences are also expected to place greater emphasis on ethics, fairness, and transparency in data science education, responding to societal demands for responsible AI and data governance.

Moreover, the incorporation of experiential learning components, such as hackathons and collaborative projects with industry partners, is gaining traction. These initiatives aim to equip students with practical skills and real-world problem-solving experience, thereby enhancing employability.

Data science education conferences will likely continue to serve as vital catalysts for curricular reform, pedagogical experimentation, and community building. Their evolving formats and content underscore the field's dynamic nature and the shared commitment among educators to prepare learners for the complexities of a data-driven future.

Data Science Education Conference

data science education conference: *Guide to Teaching Data Science* Orit Hazzan, Koby Mike, 2023-03-20 Data science is a new field that touches on almost every domain of our lives, and thus it is taught in a variety of environments. Accordingly, the book is suitable for teachers and lecturers in all educational frameworks: K-12, academia and industry. This book aims at closing a significant gap in the literature on the pedagogy of data science. While there are many articles and white papers dealing with the curriculum of data science (i.e., what to teach?), the pedagogical aspect of the field (i.e., how to teach?) is almost neglected. At the same time, the importance of the pedagogical aspects of data science increases as more and more programs are currently open to a variety of people. This book provides a variety of pedagogical discussions and specific teaching methods and frameworks, as well as includes exercises, and guidelines related to many data science concepts (e.g., data thinking and the data science workflow), main machine learning algorithms and concepts (e.g., KNN, SVM, Neural Networks, performance metrics, confusion matrix, and biases) and data science professional topics (e.g., ethics, skills and research approach). Professor Orit Hazzan is a faculty member at the Technion's Department of Education in Science and Technology since October 2000. Her research focuses on computer science, software engineering and data science education. Within this framework, she studies the cognitive and social processes on the individual, the team and the organization levels, in all kinds of organizations. Dr. Koby Mike is a Ph.D. graduate from the Technion's Department of Education in Science and Technology under the supervision of Professor Orit Hazzan. He continued his post-doc research on data science education at the Bar-Ilan University, and obtained a B.Sc. and an M.Sc. in Electrical Engineering from Tel Aviv University.

data science education conference: *Advancing Data Science Education in K-12* Victor R. Lee, 2025-02-24 *Advancing Data Science Education in K-12* offers a highly accessible, research-based treatment of the foundations of data science education and its increasingly vital role in K-12 instructional content. As federal education initiatives and developers of technology-enriched curricula attempt to incorporate the study of data science—the generation, capture, and computational analysis of data at large scale—into schooling, a new slate of skills, literacies, and approaches is needed to ensure an informed, effective, and unproblematic deployment for young learners. Friendly to novices and experts alike, this book provides an authoritative synthesis of the most important research and theory behind data science education, its implementation into K-12 curricula, and clarity into the distinctions between data literacy and data science. Learning with and about data hold equal and interdependent importance across these chapters, conveying the variety of issues, situations, and decision-making integral to a well-rounded, critically minded perspective on data science education. Students and faculty in teaching, leadership, curriculum development, and educational technology programs will come away with essential insights into the breadth of our current and future engagements with data; the real-world opportunities and challenges data holds when taught in conjunction with other subject matter in formal schooling; and the nature of data as a human and societal construct that demands new competencies of today's learners.

data science education conference: *Data Science with Semantic Technologies* Archana Patel, Narayan C. Debnath, 2023-06-20 As data is an important asset for any organization, it is essential to apply semantic technologies in data science to fulfill the need of any organization. This first volume of a two-volume handbook set provides a roadmap for new trends and future developments of data science with semantic technologies. *Data Science with Semantic Technologies: New Trends and Future Developments* highlights how data science enables the user to create intelligence through these technologies. In addition, this book offers the answers to various questions such as: Can semantic technologies facilitate data science? Which type of data science problems can be tackled by semantic technologies? How can data scientists benefit from these technologies? What is the role of semantic technologies in data science? What is the current progress and future of data science with semantic technologies? Which types of problems require the immediate attention of the researchers?

What should be the vision 2030 for data science? This volume can serve as an important guide toward applications of data science with semantic technologies for the upcoming generation and, thus, it is a unique resource for scholars, researchers, professionals, and practitioners in this field.

data science education conference: *Data Science: New Issues, Challenges and Applications* Gintautas Dzemyda, Jolita Bernatavičienė, Janusz Kacprzyk, 2020-02-13 This book contains 16 chapters by researchers working in various fields of data science. They focus on theory and applications in language technologies, optimization, computational thinking, intelligent decision support systems, decomposition of signals, model-driven development methodologies, interoperability of enterprise applications, anomaly detection in financial markets, 3D virtual reality, monitoring of environmental data, convolutional neural networks, knowledge storage, data stream classification, and security in social networking. The respective papers highlight a wealth of issues in, and applications of, data science. Modern technologies allow us to store and transfer large amounts of data quickly. They can be very diverse - images, numbers, streaming, related to human behavior and physiological parameters, etc. Whether the data is just raw numbers, crude images, or will help solve current problems and predict future developments, depends on whether we can effectively process and analyze it. Data science is evolving rapidly. However, it is still a very young field. In particular, data science is concerned with visualizations, statistics, pattern recognition, neurocomputing, image analysis, machine learning, artificial intelligence, databases and data processing, data mining, big data analytics, and knowledge discovery in databases. It also has many interfaces with optimization, block chaining, cyber-social and cyber-physical systems, Internet of Things (IoT), social computing, high-performance computing, in-memory key-value stores, cloud computing, social computing, data feeds, overlay networks, cognitive computing, crowdsourcing analysis, log analysis, container-based virtualization, and lifetime value modeling. Again, all of these areas are highly interrelated. In addition, data science is now expanding to new fields of application: chemical engineering, biotechnology, building energy management, materials microscopy, geographic research, learning analytics, radiology, metal design, ecosystem homeostasis investigation, and many others.

data science education conference: *Data Science Thinking* Longbing Cao, 2018-08-17 This book explores answers to the fundamental questions driving the research, innovation and practices of the latest revolution in scientific, technological and economic development: how does data science transform existing science, technology, industry, economy, profession and education? How does one remain competitive in the data science field? What is responsible for shaping the mindset and skillset of data scientists? Data Science Thinking paints a comprehensive picture of data science as a new scientific paradigm from the scientific evolution perspective, as data science thinking from the scientific-thinking perspective, as a trans-disciplinary science from the disciplinary perspective, and as a new profession and economy from the business perspective.

data science education conference: *Foundations of Data Science for Engineering Problem Solving* Parikshit Narendra Mahalle, Gitanjali Rahul Shinde, Priya Dudhale Pise, Jyoti Yogesh Deshmukh, 2021-08-21 This book is one-stop shop which offers essential information one must know and can implement in real-time business expansions to solve engineering problems in various disciplines. It will also help us to make future predictions and decisions using AI algorithms for engineering problems. Machine learning and optimizing techniques provide strong insights into novice users. In the era of big data, there is a need to deal with data science problems in multidisciplinary perspective. In the real world, data comes from various use cases, and there is a need of source specific data science models. Information is drawn from various platforms, channels, and sectors including web-based media, online business locales, medical services studies, and Internet. To understand the trends in the market, data science can take us through various scenarios. It takes help of artificial intelligence and machine learning techniques to design and optimize the algorithms. Big data modelling and visualization techniques of collected data play a vital role in the field of data science. This book targets the researchers from areas of artificial intelligence, machine learning, data science and big data analytics to look for new techniques in

business analytics and applications of artificial intelligence in recent businesses.

data science education conference: Data Science in Applications Gintautas Dzemyda, Jolita Bernatavičienė, Janusz Kacprzyk, 2023-03-09 This book provides an overview of a wide range of relevant applications and reveals how to solve them. Many of the latest applications in finance, technology, education, medicine and other important and relevant fields are data-driven. The volumes of data are enormous. Specific methods need to be developed or adapted to solve a particular problem. It illustrates data science in applications. These applications have in common the discovery of knowledge in data and the use of this knowledge to make real decisions. The set of examples presented serves as a recipe book for their direct application to similar problems or as a guide for the development of new, more sophisticated approaches. The intended readership is data scientists looking for appropriate solutions to their problems. In addition, the examples provided serves as material for lectures at universities.

data science education conference: Data Science and Intelligent Applications Ketan Kotecha, Vincenzo Piuri, Hetalkumar N. Shah, Rajan Patel, 2020-06-17 This book includes selected papers from the International Conference on Data Science and Intelligent Applications (ICDSIA 2020), hosted by Gandhinagar Institute of Technology (GIT), Gujarat, India, on January 24-25, 2020. The proceedings present original and high-quality contributions on theory and practice concerning emerging technologies in the areas of data science and intelligent applications. The conference provides a forum for researchers from academia and industry to present and share their ideas, views and results, while also helping them approach the challenges of technological advancements from different viewpoints. The contributions cover a broad range of topics, including: collective intelligence, intelligent systems, IoT, fuzzy systems, Bayesian networks, ant colony optimization, data privacy and security, data mining, data warehousing, big data analytics, cloud computing, natural language processing, swarm intelligence, speech processing, machine learning and deep learning, and intelligent applications and systems. Helping strengthen the links between academia and industry, the book offers a valuable resource for instructors, students, industry practitioners, engineers, managers, researchers, and scientists alike.

data science education conference: Improving Equity in Data Science Colby Tofel-Grehl, Emmanuel Schanzer, 2024-06-03 *Improving Equity in Data Science* offers a comprehensive look at the ways in which data science can be conceptualized and engaged more equitably within the K-16 classroom setting, moving beyond merely broadening participation in educational opportunities. This book makes the case for field wide definitions, literacies and practices for data science teaching and learning that can be commonly discussed and used, and provides examples from research of these practices and literacies in action. Authors share stories and examples of research wherein data science advances equity and empowerment through the critical examination of social, educational, and political topics. In the first half of the book, readers will learn how data science can deliberately be embedded within K-12 spaces to empower students to use it to identify and address inequity. The latter half will focus on equity of access to data science learning opportunities in higher education, with a final synthesis of lessons learned and presentation of a 360-degree framework that links access, curriculum, and pedagogy as multiple facets collectively essential to comprehensive data science equity work. Practitioners and teacher educators will be able to answer the question, “how can data science serve to move equity efforts in computing beyond basic inclusion to empowerment?” whether the goal is to simply improve definitions and approaches to research on data science or support teachers of data science in creating more equitable and inclusive environments within their classrooms.

data science education conference: Digital Narratives in Education Dr. Saroj Nayyar, Dr. Lubhawani Tripathi, 2024-07-31 *Digital Narrative in Education* examines the use of digital storytelling to enhance learning by engaging students and developing their digital literacy. The book explores various forms of digital narratives, such as interactive stories, transmedia storytelling, and AR/VR narratives, highlighting their benefits in fostering engagement, multimodal learning, and creativity. It discusses pedagogical strategies like story creation, analysis, and collaborative

projects, and addresses challenges such as access, teacher training, and assessment. By incorporating case studies and practical examples, the book demonstrates how digital narratives can transform education and equip students with essential 21st-century skills.

data science education conference: Apply Data Science Thomas Barton, Christian Müller, 2023-01-01 This book offers an introduction to the topic of data science based on the visual processing of data. It deals with ethical considerations in the digital transformation and presents a process framework for the evaluation of technologies. It also explains special features and findings on the failure of data science projects and presents recommendation systems in consideration of current developments. Machine learning functionality in business analytics tools is compared and the use of a process model for data science is shown. The integration of renewable energies using the example of photovoltaic systems, more efficient use of thermal energy, scientific literature evaluation, customer satisfaction in the automotive industry and a framework for the analysis of vehicle data serve as application examples for the concrete use of data science. The book offers important information that is just as relevant for practitioners as for students and teachers.

data science education conference: Visual Data and Their Use in Science Education Jon Pedersen, Kevin D. Finson, 2013-04-01 Visual Data in Science Education builds upon previous work done by the editors to bring some definition to the meaning of visual data as it relates to education, and highlighted the breadth of types and uses of visual data across the major academic disciplines. In this book, the editors have brought this focus specifically to science education through the contributions of colleagues in the field who actively research about and engage in teaching with visual data. The book begins by examining how the brain functions with respect to processing visual data, then explores models of conceptual frameworks, which then leads into how related ideas are actuated in education settings ranging from elementary science classrooms to college environments. As a whole, this book fosters a more coherent image of the multifaceted process of science teaching and learning that is informed by current understandings of science knowledge construction, the scientific enterprise, and the millennium student as they relate to visual data.

data science education conference: Data Visualization and Statistical Literacy for Open and Big Data Prodromou, Theodosia, 2017-03-20 Data visualization has emerged as a serious scholarly topic, and a wide range of tools have recently been developed at an accelerated pace to aid in this research area. Examining different ways of analyzing big data can result in increased efficiency for many corporations and organizations. Data Visualization and Statistical Literacy for Open and Big Data highlights methodological developments in the way that data analytics is both learned and taught. Featuring extensive coverage on emerging relevant topics such as data complexity, statistics education, and curriculum development, this publication is geared toward teachers, academicians, students, engineers, professionals, and researchers that are interested in expanding their knowledge of data examination and analysis.

data science education conference: Advances in Data Science Cristina Garcia-Cardona, Harlin Lee, 2025-09-26 This volume features recent advances in data science ranging from algebraic geometry used for existence and uniqueness proofs of low rank approximations for tensor data, to category theory used for natural language processing applications, to approximation and optimization frameworks developed for convergence and robustness guarantees for deep neural networks. It provides ideas, methods, and tools developed in inherently interdisciplinary research problems requiring mathematics, computer science and data domain expertise. It also presents original results tackling real-world problems with immediate applications in industry and government. Contributions are based on the third Women in Data Science and Mathematics (WiSDM) Research collaboration Workshop that took place between August 7 and August 11, 2023 at the Institute for Pure & Applied Mathematics (IPAM) in Los Angeles, California, US. The submissions from the workshop and related groups constitute a valuable source for readers who are interested in mathematically-founded approaches to modeling data for exploration, understanding and prediction.

data science education conference: The Data-Driven Blockchain Ecosystem Alex Khang,

Subrata Chowdhury, Seema Sharma, 2022-12-29 This book focuses on futuristic approaches and designs for real-time systems and applications, as well as the fundamental concepts of including advanced techniques and tools in models of data-driven blockchain ecosystems. The Data-Driven Blockchain Ecosystem: Fundamentals, Applications, and Emerging Technologies discusses how to implement and manage processes for releasing and delivering blockchain applications. It presents the core of blockchain technology, IoT-based and AI-based blockchain systems, and various manufacturing areas related to Industry 4.0. The book illustrates how to apply design principles to develop and manage blockchain networks, and also covers the role that cloud computing plays in blockchain applications. All major technologies involved in blockchain-embedded applications are included in this book, which makes it useful to engineering students, researchers, academicians, and professionals interested in the core of blockchain technology.

data science education conference: Data Science for Civil Engineering Rakesh K. Jain, Prashant Shantaram Dhotre, Deepak Tatyasaheb Mane, Parikshit Narendra Mahalle, 2023-05-10 This book explains use of data science-based techniques for modeling and providing optimal solutions to complex problems in civil engineering. It discusses civil engineering problems like air, water and land pollution, climate crisis, transportation infrastructures, traffic and travel modes, mobility services, and so forth. Divided into two sections, the first one deals with the basics of data science and essential mathematics while the second section covers pertinent applications in structural and environmental engineering, construction management, and transportation. Features: Details information on essential mathematics required to implement civil engineering applications using data science techniques. Discusses broad background of data science and its fundamentals. Focusses on structural engineering, transportation systems, water resource management, geomatics, and environmental engineering. Includes python programming libraries to solve complex problems. Addresses various real-world applications of data science based civil engineering use cases. This book aims at senior undergraduate students in Civil Engineering and Applied Data Science.

data science education conference: Advances on Intelligent Computing and Data Science Faisal Saeed, Fathey Mohammed, Errais Mohammed, Tawfik Al-Hadhrami, Mohammed Al-Sarem, 2023-08-16 This book presents the papers included in the proceedings of the 3rd International Conference of Advanced Computing and Informatics (ICACin'22) that was held in Casablanca, Morocco, on October 15-16, 2022. A total of 98 papers were submitted to the conference, but only 60 papers were accepted and published in this book with an acceptance rate of 61%. The book presents several hot research topics which include artificial intelligence and data science, big data analytics, Internet of Things (IoT) and smart cities, information security, cloud computing and networking, and computational informatics.

data science education conference: Past, Present and Future of Computing Education Research Mikko Apiola, Sonsoles López-Pernas, Mohammed Saqr, 2023-04-17 This book presents a collection of meta-studies, reviews, and scientometric analyses that together reveal a fresh picture about the past, present, and future of computing education research (CER) as a field of science. The book begins with three chapters that discuss and summarise meta-research about the foundations of CER, its disciplinary identity, and use of research methodologies and theories. Based on this, the book proceeds with several scientometric analyses, which explore authors and their collaboration networks, dissemination practices, international collaboration, and shifts in research focus over the years. Analyses of dissemination are deepened in two chapters that focus on some of the most influential publication venues of CER. The book also contains a series of country-, or region-level analyses, including chapters that focus on the evolution of CER in the Baltic Region, Finland, Australasia, Israel, and in the UK & Ireland. Two chapters present case studies of influential CER initiatives in Sweden and Namibia. This book also includes chapters that focus on CER conducted at school level, and cover crucially important issues such as technology ethics, algorithmic bias, and their implications for CER. In all, this book contributes to building an understanding of the past, present and future of CER. This book also contributes new practical guidelines, highlights topical

areas of research, shows who to connect with, where to publish, and gives ideas of innovative research niches. The book takes a unique methodological approach by presenting a combination of meta-studies, scientometric analyses of publication metadata, and large-scale studies about the evolution of CER in different geographical regions. This book is intended for educational practitioners, researchers, students, and anyone interested in CER. This book was written in collaboration with some of the leading experts of the field.

data science education conference: Computer Science - CACIC 2024 Patricia Pesado, Pablo Thomas, 2025-09-30 This book constitutes the refereed proceedings of the 30th Argentine Congress of Computer Science on Computer Science - CACIC 2024, held in La Plata, Argentina, during October 7-10, 2024. The 29 full papers included in this book were carefully reviewed and selected from 201 submissions. They were organized in topical sections as follows: Agents and Systems; Distributed and Parallel Processing; Technology Applied to Education; Graphic Computation, Images and Visualization; Databases and Data Mining; Software Engineering; Hardware Architectures; Hardware Architectures, Networks, and Operating Systems; Innovation in Software Systems; Signal Processing and Real-Time Systems; Innovation in Computer Science Education; Computer Security and Digital Governance and Smart Cities.

data science education conference: Research on Reasoning with Data and Statistical Thinking: International Perspectives Gail F. Burrill, Leandro de Oliveria Souza, Enriqueta Reston, 2023-07-21 This book is derived from selected papers from the Fourteenth International Congress on Mathematical Education Topic Study Group 12, Teaching and Learning Statistics. It describes recent research on curriculum, pedagogy and outreach initiatives from countries as diverse as Brazil, Chile, Columbia, Denmark, Germany, the Netherlands, Spain, Sweden, Thailand, Turkey, the United Kingdom, and the United States. The book has a focus on the use of data in the teaching and learning of statistics across grade levels and begins with an overview of the status of statistics education and the use of data from seven different countries across the continents and the link between research and practice in those countries. Because it contains specific examples of the research, for example, on the ways children learn, the choice and implementation of tasks, or the role of informal inference, the book will be a great resource to those interested and involved in the teaching of statistics, curriculum developers, and statistics education researchers.

Related to data science education conference

National Workshop on Data Science Education | CDSS at UC The annual National Workshop for Data Science Education is a multi-day event series that offers opportunities to learn about data science education and meet fellow educators involved in

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