

ai and knowledge management

AI and Knowledge Management: Transforming How Organizations Harness Information

ai and knowledge management are increasingly becoming intertwined as businesses strive to unlock the full potential of their data and intellectual assets. In today's fast-paced digital landscape, managing knowledge effectively is critical for competitive advantage, innovation, and operational efficiency. Artificial intelligence offers powerful tools to revolutionize how organizations capture, organize, and utilize knowledge, making information more accessible and actionable than ever before.

Understanding the synergy between AI and knowledge management helps businesses navigate complex information ecosystems while fostering smarter decision-making and collaboration. Let's explore how this dynamic duo is reshaping knowledge management practices and what it means for the future of work.

What is Knowledge Management and Why It Matters

Knowledge management (KM) refers to the systematic process of creating, sharing, using, and managing information and knowledge within an organization. It encompasses everything from documenting best practices and storing data, to encouraging collaboration and institutional learning. Effective KM enables companies to reduce redundancy, avoid knowledge loss, and improve productivity by making valuable insights readily available.

However, traditional knowledge management systems often struggle with volume, variety, and velocity of data. Without intelligent systems, valuable knowledge can become siloed, outdated, or simply buried under an avalanche of raw information. This is where AI comes into play, injecting automation, intelligence, and scalability into KM processes.

The Role of AI in Modern Knowledge Management

Artificial intelligence enhances knowledge management by automating routine tasks, extracting insights from unstructured data, and delivering personalized information to users. AI-powered tools can understand natural language, identify patterns, and learn from interactions, making knowledge systems smarter over time.

Automating Knowledge Capture and Organization

One of the biggest challenges in KM is capturing tacit knowledge—insights and expertise

that reside in employees' minds but are seldom documented. AI technologies such as natural language processing (NLP) and machine learning can analyze emails, documents, and voice recordings to automatically extract relevant knowledge nuggets. This reduces the manual effort needed to update knowledge bases and ensures that critical information is not lost.

Additionally, AI can classify and tag content intelligently, organizing it in ways that align with how employees search and use information. Semantic search capabilities go beyond keyword matching by understanding context and intent, delivering more accurate results.

Enhancing Collaboration with Intelligent Assistants

AI-driven chatbots and virtual assistants are becoming invaluable allies in knowledge management. They can answer employee questions on demand, guide users to relevant resources, and provide real-time support without human intervention. This instant access to knowledge speeds up problem-solving and empowers workers to make informed decisions quickly.

Moreover, AI assistants can facilitate collaboration by connecting people with similar expertise, suggesting relevant documents, or even summarizing lengthy reports into digestible insights. These capabilities break down organizational silos and foster a culture of continuous learning.

Key AI Technologies Powering Knowledge Management

Several AI technologies underpin the transformation of knowledge management systems. Understanding these can help organizations select the right tools and strategies.

- **Natural Language Processing (NLP):** Enables machines to interpret and generate human language, crucial for analyzing documents, emails, and conversations.
- **Machine Learning:** Allows systems to learn from data patterns and improve knowledge classification, recommendation, and personalization over time.
- **Semantic Search:** Goes beyond keyword matching to understand the meaning behind queries and content, delivering more relevant results.
- **Knowledge Graphs:** Represent complex relationships between data points, helping AI systems make connections and infer new knowledge.
- **Chatbots and Virtual Assistants:** Provide interactive, conversational interfaces to access and share knowledge efficiently.

Benefits of Integrating AI with Knowledge Management

Leveraging AI in knowledge management delivers a wide range of advantages that extend across different business functions.

Improved Decision-Making and Innovation

By making critical knowledge more accessible and actionable, AI-powered KM systems help decision-makers base their choices on comprehensive, up-to-date information. This reduces risks and uncovers new opportunities. Moreover, AI can identify emerging trends and insights from large datasets, fueling innovation pipelines.

Increased Efficiency and Reduced Costs

Automation of repetitive knowledge tasks reduces the burden on employees, freeing them to focus on higher-value activities. AI-driven search and retrieval cut down time spent hunting for information, boosting productivity across teams. Over time, organizations save costs by minimizing duplicated efforts and avoiding costly mistakes.

Enhanced Employee Experience and Retention

A well-designed AI-integrated KM system can personalize learning paths and knowledge delivery, catering to individual needs and preferences. Employees feel more supported and empowered, which improves engagement and retention rates.

Scalability and Continuous Learning

As organizations grow, managing knowledge manually becomes increasingly untenable. AI systems scale effortlessly, continuously learning from new data and user interactions to improve knowledge quality and relevance.

Challenges and Considerations When Implementing AI in Knowledge Management

Despite the exciting potential, integrating AI with knowledge management also presents challenges that organizations must navigate carefully.

Data Quality and Privacy

AI's effectiveness heavily depends on the quality of input data. Inaccurate, incomplete, or biased data can lead to misleading insights. Organizations must invest in data governance and ensure compliance with privacy regulations when handling sensitive information.

User Adoption and Change Management

Introducing AI tools can disrupt existing workflows and meet resistance from employees unfamiliar with new technologies. Providing adequate training and demonstrating clear value are crucial to encourage adoption.

Balancing Automation with Human Judgment

While AI can automate many tasks, human expertise remains essential for nuanced decision-making and interpreting complex scenarios. Successful knowledge management blends AI capabilities with human oversight.

Integration with Existing Systems

Many organizations have legacy knowledge management platforms. Ensuring seamless integration between AI tools and existing infrastructure requires careful planning and technical expertise.

Practical Tips for Harnessing AI in Knowledge Management

For businesses eager to embrace AI-driven knowledge management, here are some actionable tips:

1. **Start Small and Pilot:** Begin with a focused use case such as automating document categorization or deploying a chatbot for FAQs to measure impact.
2. **Involve Stakeholders:** Engage users from various departments early to understand their needs and get buy-in.
3. **Invest in Data Hygiene:** Regularly audit and clean your data to enhance AI accuracy.
4. **Focus on User Experience:** Design intuitive interfaces and provide training to maximize adoption.

5. **Measure and Iterate:** Use analytics to track AI performance and continuously refine your KM strategy.

Exploring the intersection of AI and knowledge management reveals a future where information flows seamlessly, empowering organizations to be more agile, innovative, and collaborative. As AI technologies evolve, their role in transforming how knowledge is managed will only deepen, creating smarter workplaces that harness collective intelligence like never before.

Frequently Asked Questions

How is AI transforming knowledge management in organizations?

AI is enhancing knowledge management by automating data classification, improving search capabilities through natural language processing, enabling personalized knowledge recommendations, and facilitating real-time insights, which collectively improve decision-making and collaboration.

What are the benefits of integrating AI with knowledge management systems?

Integrating AI with knowledge management systems leads to increased efficiency in information retrieval, better knowledge discovery, reduced manual effort in organizing data, enhanced user experience through chatbots and virtual assistants, and improved accuracy in knowledge analytics.

How does AI improve knowledge discovery in large datasets?

AI uses advanced algorithms like machine learning and natural language processing to analyze unstructured and structured data, identify patterns, extract relevant information, and surface insights that might be missed by traditional search methods, thereby improving knowledge discovery.

What role does natural language processing (NLP) play in AI-powered knowledge management?

NLP enables AI systems to understand, interpret, and generate human language, which helps in processing documents, answering user queries, summarizing content, and facilitating conversational interfaces within knowledge management platforms.

Can AI help in capturing tacit knowledge within an organization?

Yes, AI can help capture tacit knowledge by analyzing communication patterns, meeting transcripts, emails, and other interactions to identify expert insights and undocumented knowledge that can then be codified and shared across the organization.

What challenges exist when implementing AI in knowledge management?

Challenges include data privacy and security concerns, ensuring data quality and consistency, integrating AI with existing systems, managing change within the organization, and addressing biases in AI algorithms that may affect knowledge accuracy.

How does AI enable personalized knowledge management experiences?

AI leverages user behavior, preferences, and roles to tailor content recommendations, prioritize information, and deliver customized learning paths, making knowledge management more relevant and engaging for individual users.

What is the impact of AI-driven automation on knowledge management workflows?

AI-driven automation streamlines workflows by automating routine tasks such as data entry, tagging, and content curation, freeing up employees to focus on higher-value activities and accelerating the overall knowledge management process.

How can AI assist in knowledge retention during employee turnover?

AI can help by continuously capturing and updating knowledge assets, facilitating knowledge transfer through intelligent documentation and training tools, and identifying critical knowledge areas at risk due to employee departures, thus minimizing knowledge loss.

What future trends are expected in AI and knowledge management?

Future trends include increased use of conversational AI for more intuitive knowledge access, deeper integration with augmented reality for immersive learning, enhanced predictive analytics for proactive knowledge delivery, and greater emphasis on ethical AI to ensure fairness and transparency in knowledge management.

Additional Resources

AI and Knowledge Management: Transforming the Landscape of Organizational Intelligence

ai and knowledge management are increasingly intertwined concepts reshaping how organizations capture, store, and leverage their intellectual assets. As businesses face an exponential growth of data and an ever-evolving competitive environment, the integration of artificial intelligence into knowledge management systems offers unprecedented opportunities—and challenges—to enhance decision-making, collaboration, and innovation.

The Convergence of AI and Knowledge Management

Knowledge management (KM) traditionally revolves around the systematic process of gathering, organizing, sharing, and analyzing an organization's information assets. These assets can include databases, documents, policies, expertise, and tacit knowledge held by employees. However, the sheer volume and complexity of modern data have strained conventional KM approaches, often leading to inefficiencies and knowledge silos.

Enter artificial intelligence, a suite of technologies capable of automating, augmenting, and optimizing knowledge processes. AI's capabilities in natural language processing (NLP), machine learning, and data analytics enable organizations to extract meaningful insights from unstructured data, personalize knowledge delivery, and predict knowledge needs before they arise. This synergy is revolutionizing how companies manage collective intelligence.

Key AI Technologies Enhancing Knowledge Management

Several AI-driven tools and methods have become instrumental in advancing knowledge management:

- **Natural Language Processing (NLP):** Enables machines to understand, interpret, and generate human language, facilitating improved search functions, content categorization, and automated summarization.
- **Machine Learning (ML):** Learns from data patterns to recommend relevant knowledge assets, optimize workflows, and detect knowledge gaps.
- **Chatbots and Virtual Assistants:** Provide real-time, conversational access to organizational knowledge, improving user engagement and support efficiency.
- **Semantic Search Engines:** Move beyond keyword matching to understand context

and intent, resulting in more accurate information retrieval.

- **Knowledge Graphs:** Structure complex relationships between data points, enabling richer connections and deeper insights.

Benefits of Integrating AI into Knowledge Management Systems

The fusion of AI and knowledge management offers tangible advantages that can redefine organizational capabilities.

Improved Knowledge Discovery and Accessibility

AI-powered systems can sift through vast troves of data to surface relevant information quickly. Semantic search capabilities interpret user queries more effectively, while AI-driven tagging and classification reduce manual effort and errors. As a result, employees spend less time searching and more time applying knowledge.

Enhanced Personalization and Contextualization

AI algorithms analyze user behavior and preferences to tailor knowledge delivery. Personalized dashboards, recommendations, and notifications ensure that individuals access the most pertinent information aligned with their roles and tasks, boosting productivity.

Automated Knowledge Capture and Updating

AI tools can automatically extract knowledge from documents, emails, and communications, continuously enriching the knowledge base. This dynamic updating mitigates the risk of outdated or incomplete information, a common pitfall in traditional KM systems.

Facilitating Collaboration and Innovation

By connecting experts, identifying complementary skills, and recommending relevant knowledge, AI fosters a collaborative environment conducive to innovation. Knowledge graphs and AI-curated communities of practice break down silos and encourage cross-functional learning.

Challenges and Considerations in AI-Driven Knowledge Management

Despite its promise, implementing AI in knowledge management is not without obstacles.

Data Quality and Integration

AI systems rely heavily on high-quality, well-structured data. Organizations often struggle with fragmented data sources, inconsistent formats, and incomplete records, which can undermine AI effectiveness. Integrating AI tools with legacy KM systems requires careful planning and investment.

Privacy and Ethical Implications

The automation of knowledge capture raises concerns about confidentiality, consent, and data protection. Ensuring compliance with regulations such as GDPR and maintaining ethical standards is critical when deploying AI-driven KM solutions.

User Adoption and Change Management

Introducing AI tools can disrupt established workflows and provoke resistance among employees. Successful adoption depends on transparent communication, training, and demonstrating clear value to end-users.

Balancing Automation with Human Judgment

While AI excels at processing data, certain knowledge—particularly tacit knowledge—remains best understood through human experience and intuition. Organizations must strike a balance between AI automation and human expertise to avoid over-reliance on technology.

Real-World Applications and Industry Use Cases

The integration of AI and knowledge management is visible across various sectors, each leveraging the technology to meet unique challenges.

Healthcare

Hospitals and research institutions use AI-powered KM platforms to manage vast medical literature, patient data, and clinical guidelines. This supports evidence-based decision-making, improves patient outcomes, and accelerates research.

Financial Services

Banks and insurance companies deploy AI to navigate complex regulatory environments and market data. AI-driven knowledge systems help in risk assessment, compliance monitoring, and personalized client services.

Manufacturing

Manufacturers utilize AI to document best practices, maintenance procedures, and supply chain knowledge. Predictive analytics and knowledge sharing reduce downtime and optimize production processes.

Customer Service

AI chatbots integrated with knowledge bases provide instant support, resolve common queries, and escalate complex issues to human agents, improving customer satisfaction while cutting operational costs.

The Future of AI and Knowledge Management

Looking ahead, the relationship between AI and knowledge management is poised to deepen. Emerging trends include:

- **Explainable AI (XAI):** Increasing transparency in AI decision-making will build trust and enable better human-AI collaboration in knowledge processes.
- **Augmented Intelligence:** Emphasizing AI as a tool to enhance human cognition rather than replace it, fostering symbiotic knowledge ecosystems.
- **Integration with IoT and Edge Computing:** Real-time data from connected devices will enrich knowledge bases and enable proactive knowledge dissemination.
- **Advanced Cognitive Search:** Leveraging deeper semantic understanding and multi-modal data (text, audio, video) to improve knowledge retrieval.

The evolution of AI and knowledge management will continue to challenge traditional paradigms, demanding adaptable strategies and forward-thinking leadership. Organizations that harness this convergence effectively stand to gain a significant competitive edge by transforming raw data into actionable intelligence and nurturing a culture of continuous learning.

Ai And Knowledge Management

ai and knowledge management: Knowledge Management Irma Becerra-Fernandez, Rajiv Sabherwal, Richard Kumi, 2024-02-23 Knowledge Management: Systems and Processes in the AI Era, Third Edition, is aimed at students and managers who seek detailed insights into contemporary knowledge management (KM). It explains the concepts, theories, and technologies that provide the foundation for knowledge management; the systems and structures that constitute KM solutions; and the processes for developing, deploying, and evaluating these KM solutions. This book serves as a complete introduction to the subject of knowledge management, incorporating technical and social aspects, as well as concepts, practical examples, traditional KM approaches, and emerging topics. This third edition has been revised and expanded to include more coverage of emergent trends such as cloud computing, online communities, crowdsourcing, and artificial intelligence. Aimed at advanced undergraduate, postgraduate, and MBA students who are seeking a comprehensive perspective on knowledge management, Knowledge Management is also complemented by online support for lecturers including suggested solutions to the many review questions and application exercises contained within the book.

ai and knowledge management: AI-empowered Knowledge Management Soumi Majumder, Nilanjan Dey, 2022-02-23 This book is focused on AI-empowered knowledge management to improve processes, implementation of technology for providing easy access to knowledge and the impact of knowledge management to promote the platform for generation of new knowledge through continuous learning. The book discusses process of knowledge management which includes entirety of the creation, distribution, and maintenance of knowledge to achieve organizational objectives. It also covers knowledge management tools which enable and enhance knowledge creation, codification, and transfer within business firms thereby reducing the burden of work and allowing application of resources and effective usage towards practical tasks. An immense growth of artificial intelligence in business organizations has occurred and AI-empowered knowledge management practice is leading towards growth and development of the organization.

ai and knowledge management: Artificial Intelligence for Knowledge Management Eunika Mercier-Laurent, Danielle Boulanger, 2019-09-11 This book features a selection of extended papers presented at the 5th IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2017, held in Melbourne, VIC, Australia, in August 2017, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2017. The 11 revised and extended papers were carefully reviewed and selected for inclusion in this volume. They present new research and innovative aspects in the field of knowledge management such as machine learning, knowledge models, KM and Web, knowledge capturing and learning, and KM and AI intersections.

ai and knowledge management: Knowledge Management and Artificial Intelligence for Growth Isaias Bianchi, Guillermo Antonio Dávila, 2024-10-12 This book delves into the intersection of Knowledge Management (KM) and Artificial Intelligence (AI). It explores their applications, challenges, and opportunities across various industries and regions. The approach is comprehensive, drawing insights from experts worldwide. The book offers fresh perspectives on using KM and AI as powerful tools for driving business success. It covers research opportunities, real-world case studies, and empirical investigations. Notably, it emphasizes the unique context of knowledge management

in the southern hemisphere. The book spans a broad range of subjects, including knowledge absorption capacity as an internationalization driver, quality certification methods in the health sector, and the role of intellectual capital in Argentine tech companies. It also delves into machine learning techniques for property price estimation in Brazil and identity document verification in Peru. Professionals, scholars, and policymakers navigating the complex integration of KM and AI will find this book invaluable. By combining theoretical foundations with practical findings, it equips readers with the knowledge and tools needed for sustainable growth within their organizations.

ai and knowledge management: Knowledge Management and AI in Society 5.0 Manlio Del Giudice, Veronica Scuotto, Armando Papa, 2023-03-10 Society 5.0 points toward a human-centred approach by the use of modern, advanced technologies and artificial intelligence. This book explores and offers an overview of knowledge management embraced in the current scenario of Society 5.0, shedding light on its importance in a society that is increasingly digital and interconnected. The book enhances current managerial and economic research by offering the “human” side of knowledge management (KM) intertwined with the use of artificial intelligences (AIs). Each chapter explores KM from different perspectives, including entrepreneurship, innovation, marketing, and strategy, in a theoretical and practical way. They include insights from both practitioners and scholars, enriched by practical tools that can be used during laboratories, workshops and tutorials. The book presents evidence on how to manage KM and develop new knowledge in different subjects, with the aim of overcoming conventional KM strategy and show how business and society are connected with “power of subjective human knowledge creation”. Offering both new insights, research and practical guidance, this book will appeal to academics and students of knowledge management as well as digital transformation practitioners looking for ways to transition their organizations from knowledge economy to digital economy.

ai and knowledge management: Artificial Intelligence and Knowledge Management Akira Hanako, 2016-05-24 Artificial intelligence and knowledge management have transformed the process of knowledge circulation and database management in different business enterprises and corporate organizations. Some of the significant topics discussed in the chapters of this book are AI planning strategies and tools, AI tools for information processing, data mining, knowledge-based systems, etc. It explores the innovative concepts and advancements in these emerging fields. The book is an invaluable source of knowledge for students and researchers involved in this field at various levels.

ai and knowledge management: Artificial Intelligence for Knowledge Management Eunika Mercier-Laurent, 2020-07-15 This book features a selection of extended papers presented at the 6th IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2018, held in Stockholm, Sweden, in July 2018, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2018. The 11 revised and extended papers were carefully reviewed and selected for inclusion in this volume. They present new research and innovative aspects in the field of knowledge management such as machine learning, knowledge models, KM and Web, knowledge capturing and learning, and KM and AI intersections.

ai and knowledge management: Artificial Intelligence for Knowledge Management Eunika Mercier-Laurent, Mieczysław Lech Owoc, Danielle Boulanger, 2016-02-02 This book features a selection of papers presented at the Second IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2014, held in Wroclaw, Poland, in September 2014, in the framework of the Federated Conferences on Computer Science and Information Systems, FedCSIS 2014. The 9 revised and extended papers and one invited paper were carefully reviewed and selected for inclusion in this volume. They present new research and innovative aspects in the field of knowledge management and are organized in the following topical sections: tools and methods for knowledge acquisition; models and functioning of knowledge management; techniques of artificial intelligence supporting knowledge management; and components of knowledge flow.

ai and knowledge management: The Knowledge Management and Application Domain Steven Wieneke, Karla Phlypo-Price, 2010-03 A framework for knowledge management continues to

elude the community, and relabeling a variety of methods, technologies, and fields of practice as knowledge management confounds the issue. This revised text identifies three subdomains, eight disciplines, and seven core competencies.

ai and knowledge management: Artificial Intelligence for Knowledge Management

Eunika Mercier-Laurent, Danielle Boulanger, 2017-04-10 This book features a selection of papers presented at the Third IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2015, held in Buenos Aires, Argentina, in July 2015, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2015. The 9 revised and extended papers were carefully reviewed and selected from 15 submissions. They present new research and innovative aspects in the field of knowledge management such as knowledge models, KM and Web, knowledge capturing and learning, and KM and AI intersections.

ai and knowledge management: Artificial Intelligence for Knowledge Management

Eunika Mercier-Laurent, Danielle Boulanger, 2019 This book features a selection of extended papers presented at the 5th IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2017, held in Melbourne, VIC, Australia, in August 2017, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2017. The 11 revised and extended papers were carefully reviewed and selected for inclusion in this volume. They present new research and innovative aspects in the field of knowledge management such as machine learning, knowledge models, KM and Web, knowledge capturing and learning, and KM and AI intersections.

ai and knowledge management: *Knowledge Management for Leadership and Communication*

Jon-Arild Johannessen, 2020-03-11 With the establishment of the innovation economy, the Fourth Industrial Revolution is becoming a reality. As this occurs, new forms of leadership arise, generated by the interaction between leadership functions and neurology. This innovative book asks the question: what are the key value creation processes in the innovation economy?

ai and knowledge management: AI-Empowered Knowledge Management in Education

Sayan Chakraborty, Bitan Misra, Nilanjan Dey, 2024-06-22 This book explains basic ideas behind several methods used in artificial intelligence-based knowledge management techniques. It also shows how these techniques are applied in practical contexts in different education sectors. The book discusses AI-based knowledge management applications, AI-empowered knowledge management in primary and higher education, and technical and ethical challenges and opportunities.

ai and knowledge management: Artificial Intelligence for Knowledge Management

Mieczysław Lech Owoc, Maciej Pondel, 2021-08-05 This book features a selection of extended papers presented at the 7th IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2019, held in Macao, China, in August 2019, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2019. The 8 revised and extended papers were carefully reviewed and selected for inclusion in this volume. They present new research and innovative aspects in the field of knowledge management such as machine learning, knowledge models, KM and Web, knowledge capturing and learning, and KM and AI intersections.

ai and knowledge management: Artificial Intelligence for Knowledge Management

Eunika Mercier-Laurent, M. Özgür Kayalica, Mieczysław Lech Owoc, 2021-07-03 This book features a selection of extended papers presented at the 8th IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2021, held in Yokohama, Japan, in January 2021, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2020.* The 14 revised and extended papers presented together with an invited talk were carefully reviewed and selected for inclusion in this volume. They present new research and innovative aspects in the field of knowledge management and discuss methodological, technical and organizational aspects of artificial intelligence used for knowledge management. *The workshop was held virtually.

ai and knowledge management: Using AI for Knowledge Management and Business

Process Reengineering Rose Gamble, 1998

ai and knowledge management: Knowledge Management Herwig Rollett, 2003-03-31 Part I

Background: Two Complementary Views; Lessons Learned from Past Projects. Part II Processes: Knowledge Planning; Creating Knowledge; Integrating Knowledge; Organizing Knowledge; Transferring Knowledge; Maintaining Knowledge; Assessing Knowledge. Part III Technologies: Communication; Collaboration; Content Creation; Content Management; Adaptation; eLearning; Personal Tools; Artificial Intelligence; Networking; Standards; Hardware.

ai and knowledge management: *Handbook of Research on Artificial Intelligence and Knowledge Management in Asia's Digital Economy* Ordóñez de Pablos, Patricia, Zhang, Xi, Almunawar, Mohammad Nabil, 2022-11-11 Artificial intelligence (AI) and knowledge management can create innovative digital solutions and business opportunities in Asia from circular and green economies to technological disruption, innovation, and smart cities. It is essential to understand the impact and importance of AI and knowledge management within the digital economy for future development and for fostering the best practices within 21st century businesses. The Handbook of Research on Artificial Intelligence and Knowledge Management in Asia's Digital Economy offers conceptual frameworks, empirical studies, and case studies that help to understand the latest developments in artificial intelligence and knowledge management, as well as its potential for digital transformation and business opportunities in Asia. Covering topics such as augmented reality. Convolutional neural networks, and digital transformation, this major reference work generates enriching debate on the challenges and opportunities for economic growth and inclusion in the region among business executives and leaders, IT managers, policymakers, government officials, students and educators of higher education, researchers, and academicians.

ai and knowledge management: *Knowledge Management in Organisations* Lorna Uden, I-Hsien Ting, 2024-06-21 This book constitutes the proceedings of the 18th International Conference on Knowledge management in Organizations, KMO 2024, which took place in Kaohsiung, Taiwan, during July 29–August 1, 2024 The 33 full papers were carefully reviewed and selected from 72 submissions. The papers are organized in subject areas as follows: Knowledge Transfer and Sharing; Knowledge in Business and Organisation; Innovation and Knowledge Creation; KM and Education; KM Process and Model; Information and Knowledge Management Systems; AI, IT and New Trends in KM; and Healthcare.

ai and knowledge management: Transformative Impacts of AI in Management Farooq, Muhammad, Ramzan, Muhammad, Yen, Yuen Yee, 2024-10-11 The transformative impacts of artificial intelligence (AI) in management are reshaping organizational dynamics and redefining traditional leadership roles. By harnessing AI technologies, companies are achieving higher levels of efficiency, insight, and strategic agility. AI-powered tools facilitate data-driven decision-making, automate routine tasks, and enhance predictive analytics, enabling managers to focus on high-value activities and strategic innovation. From optimizing supply chains and personalizing customer interactions to streamlining human resources and financial planning, AI is driving changes across all aspects of management. As businesses embrace these advancements, further research is necessary to improve operational performance and position businesses for long-term success. *Transformative Impacts of AI in Management* delves into the transformative impact of AI across management science, education, business, marketing, and agriculture. Through a structured synthesis of literature, the publication provides a detailed analysis of applications, challenges, and opportunities in each domain. This book covers topics such as management science, artificial intelligence, and marketing, and is a useful resource for academicians, policymakers, business owners, computer engineers, agriculturalists, educators, scientists, and researchers.

Related to ai and knowledge management

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new "CRESt" platform could help find solutions to real-world

Explained: Generative AI's environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new “CRESt” platform could help find solutions to real-world

Explained: Generative AI’s environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows

researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new “CRESt” platform could help find solutions to real-world

Explained: Generative AI’s environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new “CRESt” platform could help find solutions to real-world

Explained: Generative AI’s environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new “CRESt” platform could help find solutions to real-world

Explained: Generative AI’s environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new “CRESt” platform could help find solutions to real-world

Explained: Generative AI’s environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of

generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Artificial intelligence | MIT News | Massachusetts Institute of 6 days ago AI system learns from many types of scientific information and runs experiments to discover new materials The new “CRESt” platform could help find solutions to real-world

Explained: Generative AI’s environmental impact - MIT News MIT News explores the environmental and sustainability implications of generative AI technologies and applications

Using generative AI, researchers design compounds that can kill Using generative AI algorithms, the research team designed more than 36 million possible compounds and computationally screened them for antimicrobial properties. The top

MIT researchers introduce generative AI for databases Researchers from MIT and elsewhere developed an easy-to-use tool that enables someone to perform complicated statistical analyses on tabular data using just a few

What does the future hold for generative AI? - MIT News Hundreds of scientists, business leaders, faculty, and students shared the latest research and discussed the potential future course of generative AI advancements during the

“Periodic table of machine learning” could fuel AI discovery After uncovering a unifying algorithm that links more than 20 common machine-learning approaches, MIT researchers organized them into a “periodic table of machine

A new generative AI approach to predicting chemical reactions The new FlowER generative AI system may improve the prediction of chemical reactions. The approach, developed at MIT, could provide realistic predictions for a wide

Explained: Generative AI - MIT News What do people mean when they say “generative AI,” and why are these systems finding their way into practically every application imaginable? MIT AI experts help break down

Photonic processor could enable ultrafast AI computations with Researchers developed a fully integrated photonic processor that can perform all the key computations of a deep neural network on a photonic chip, using light. This advance

New tool makes generative AI models more likely to create A new tool called SCIGEN allows researchers to implement design rules that AI models must follow when generating new materials. The advance could speed the

Related to ai and knowledge management

Build a Second Brain with AI in Just 10 Minutes : Unlock Your Mind’s Potential (5d) Learn how AI tools like Obsidian and the PARA method can help you create a second brain for seamless knowledge management and

Build a Second Brain with AI in Just 10 Minutes : Unlock Your Mind’s Potential (5d) Learn

how AI tools like Obsidian and the PARA method can help you create a second brain for seamless knowledge management and

Legal Tech's Predictions for Knowledge Management in 2025 (Law8mon) A look at how experts see knowledge management evolving up in 2025, from the potential opportunities it faces in the age of gen AI, to the problems the technology could cause for KM teams, and more

Legal Tech's Predictions for Knowledge Management in 2025 (Law8mon) A look at how experts see knowledge management evolving up in 2025, from the potential opportunities it faces in the age of gen AI, to the problems the technology could cause for KM teams, and more

GenAI: The Evolution Powering Knowledge And Decision-Making In Business (Forbes8mon) Expertise from Forbes Councils members, operated under license. Opinions expressed are those of the author. Artificial intelligence has completely changed the way businesses operate, especially when

GenAI: The Evolution Powering Knowledge And Decision-Making In Business (Forbes8mon) Expertise from Forbes Councils members, operated under license. Opinions expressed are those of the author. Artificial intelligence has completely changed the way businesses operate, especially when

USU Acquires French Knowledge Management Leader Mayday To Build the European Leader in Knowledge Management (Business Wire20d) PARIS & MÖGLINGEN, Germany--(BUSINESS WIRE)--USU GmbH acquires Mayday, the leading provider of AI-powered knowledge management in France, thereby consistently driving forward its international growth

USU Acquires French Knowledge Management Leader Mayday To Build the European Leader in Knowledge Management (Business Wire20d) PARIS & MÖGLINGEN, Germany--(BUSINESS WIRE)--USU GmbH acquires Mayday, the leading provider of AI-powered knowledge management in France, thereby consistently driving forward its international growth

AI Note-Taking : How Recall AI is Transforming Knowledge Management (Geeky Gadgets5mon) Managing and retaining information has become significantly more efficient with the latest updates to Recall AI, an AI note-taking knowledge management platform. Designed to simplify how you save,

AI Note-Taking : How Recall AI is Transforming Knowledge Management (Geeky Gadgets5mon) Managing and retaining information has become significantly more efficient with the latest updates to Recall AI, an AI note-taking knowledge management platform. Designed to simplify how you save,

AI's Disruptive Impact On Youth Employment: Emerging Evidence And Organizational Responses (7d) The stats are in—and they're sobering. New research analyzing high-frequency payroll data shows early-career workers (ages 22

AI's Disruptive Impact On Youth Employment: Emerging Evidence And Organizational Responses (7d) The stats are in—and they're sobering. New research analyzing high-frequency payroll data shows early-career workers (ages 22

Healthcare professionals embrace AI when benefits are clear and training is strong (Devdiscourse4d) Knowledge also acts as a mediator between perceived benefits and adoption intention. This means that the advantages of AI,

Healthcare professionals embrace AI when benefits are clear and training is strong (Devdiscourse4d) Knowledge also acts as a mediator between perceived benefits and adoption intention. This means that the advantages of AI,

AI Knowledge Management Solution 'Factagora' Enters US Market with AI Verification Technology (The Manila Times14d) Factagora Officially Launches to Solve Generative AI Disinformation Problems. Provides AI Safety Verification Platform Integrating Knowledge Search, Verification, Structuring, and

AI Knowledge Management Solution 'Factagora' Enters US Market with AI Verification Technology (The Manila Times14d) Factagora Officially Launches to Solve Generative AI Disinformation Problems. Provides AI Safety Verification Platform Integrating Knowledge Search,

Verification, Structuring, and

When AI's 'Knowledge' Is 50 Years Old: The Compliance Risk You Can't Ignore (Unite.AI8d)

The issue of false AI insights is an urgent challenge as enterprises increase their use of generative tools. Despite widespread enthusiasm about AI adoption, there's also a strong current of criticism

When AI's 'Knowledge' Is 50 Years Old: The Compliance Risk You Can't Ignore (Unite.AI8d)

The issue of false AI insights is an urgent challenge as enterprises increase their use of generative tools. Despite widespread enthusiasm about AI adoption, there's also a strong current of criticism

AI Is Coming For Jobs — But This Surprising Age Group Faces The Biggest Risk (5d) “The AI revolution is beginning to have a significant and disproportionate impact on entry-level workers in the American

AI Is Coming For Jobs — But This Surprising Age Group Faces The Biggest Risk (5d) “The AI revolution is beginning to have a significant and disproportionate impact on entry-level workers in the American

Related Articles

- [lsat writing sample examples](#)
- [california gate test sample questions 3rd grade](#)
- [sarasota county voter guide](#)

[Back to Home](#)