

advantages of artificial intelligence in education

Advantages of Artificial Intelligence in Education: A Transformative Approach to Learning

Author: Dr. Evelyn Reed, PhD in Educational Technology, Professor of Instructional Design at the University of California, Berkeley.

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Abstract: This article explores the numerous advantages of artificial intelligence in education, examining its impact on personalized learning, automated administrative tasks, and enhanced accessibility. We delve into the specific benefits of AI-powered tools, addressing concerns and highlighting the transformative potential of AI to revolutionize the educational landscape.

1. Introduction: The Rise of AI in Education

The integration of artificial intelligence (AI) in education is rapidly transforming how students learn and educators teach. The advantages of artificial intelligence in education are multifaceted, offering solutions to longstanding challenges in the sector. This article will explore these advantages in detail, examining how AI is enhancing personalization, improving efficiency, and fostering inclusivity in learning environments. Understanding the benefits of AI in education is crucial for educators, policymakers, and anyone interested in the future of learning.

1. Personalized Learning: Tailoring Education to Individual Needs

One of the most significant advantages of artificial intelligence in education is its ability to personalize the learning experience. AI-powered platforms can analyze student performance, identify learning gaps, and adapt the curriculum accordingly. This adaptive learning approach ensures that each student receives instruction tailored to their individual needs, pace, and learning style. This contrasts sharply with traditional, one-size-fits-all approaches that often leave students behind or feeling unchallenged. AI tutors can provide customized feedback, offering targeted support and extending the reach of qualified instructors.

1. Automated Administrative Tasks: Freeing Up Educators' Time

AI can automate many time-consuming administrative tasks, such as grading assignments, scheduling classes, and providing feedback on student work. This frees up educators' time, allowing them to focus on what matters most: student interaction, curriculum development, and fostering a positive learning environment. The advantages of artificial intelligence in education in this regard are significant, enabling educators to dedicate more time to individual student support and mentoring. Automating administrative tasks also ensures greater efficiency and consistency in grading and feedback delivery.

1. Enhanced Accessibility and Inclusivity:

AI can make education more accessible to students with disabilities and those from diverse backgrounds. AI-powered tools can provide real-time translation, generate text-to-speech and speech-to-text conversions, and offer customized learning materials adapted to different learning styles and needs. The advantages of artificial intelligence in education in this context are transformative, breaking down barriers and ensuring that all students have equal opportunities to succeed. This inclusivity is crucial for building a more equitable and just educational system.

1. Intelligent Tutoring Systems: Personalized Support 24/7

Intelligent tutoring systems (ITS) are AI-powered platforms that provide personalized support and feedback to students. These systems can adapt to a student's individual learning style and pace, offering customized exercises, hints, and explanations. ITS can be available 24/7, providing students with continuous support and access to learning resources. The advantages of artificial intelligence in education through ITS extend beyond simply providing answers; they guide students through the problem-solving process, building their critical thinking skills and self-reliance.

1. Improved Assessment and Feedback:

AI can improve the efficiency and accuracy of assessment. AI-powered systems can automatically grade multiple-choice questions, essays, and even code, freeing up educators to focus on more qualitative aspects of assessment. Furthermore, AI can provide immediate feedback to students, helping them to identify areas for improvement and track their progress. This timely feedback is crucial for promoting student learning and motivation.

1. Data-Driven Insights for Educators:

AI systems collect vast amounts of data on student performance and learning patterns. This data can provide valuable insights into student strengths and weaknesses, helping educators to identify areas where they can improve their teaching methods and curriculum design. Data analysis can also reveal patterns that might otherwise go unnoticed, informing better instructional decisions and resource allocation. The advantages of artificial intelligence in education in this realm contribute to a more evidence-based approach to teaching and learning.

1. Addressing Concerns and Challenges:

While the advantages of artificial intelligence in education are considerable, there are also challenges and concerns to address. Issues such as data privacy, algorithmic bias, and the potential displacement of human educators need careful consideration. It is crucial to develop ethical guidelines and regulations to ensure that AI is used responsibly and equitably in education.

1. Conclusion: The Future of AI in Education

The advantages of artificial intelligence in education are undeniable. From personalized learning to automated tasks and improved accessibility, AI has the potential to revolutionize education and create a more equitable and effective learning environment for all students. However, responsible implementation is key. By addressing ethical concerns and ensuring equitable access, we can harness the power of AI to create a future where education is personalized, accessible, and empowering for every learner.

FAQs:

1. Is AI replacing teachers? No, AI is a tool to augment, not replace, teachers. It handles administrative tasks, allowing teachers to focus on student interaction and personalized instruction.
1. What are the ethical concerns surrounding AI in education? Concerns include data privacy, algorithmic bias (leading to unfair outcomes), and the potential for widening the digital divide.
1. How can schools afford AI-powered education tools? Costs vary widely. Some open-source tools are free, while others require investment. Funding models include grants, school budgets, and partnerships with tech companies.
1. What kind of training do teachers need to use AI effectively? Professional development is crucial. Training should cover AI tools, data interpretation, and adapting pedagogical approaches to incorporate AI effectively.
1. Can AI address learning gaps effectively? Yes, AI-powered diagnostic tools identify learning gaps, and adaptive learning platforms provide personalized support to address them.
1. How does AI improve student engagement? Personalized learning and interactive AI tools can make learning more engaging and relevant to students' interests.
1. What about data security in AI-powered education platforms? Robust security measures, including data encryption and access controls, are essential to protect student data.
1. Can AI be used for all subjects and age groups? Yes, AI tools are being developed for various subjects and age groups, from early childhood education to higher education.

1. Is there a risk of over-reliance on AI in education? Yes, maintaining a balance between AI tools and human interaction is vital to ensure holistic development.

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advantages of artificial intelligence in education: Artificial Intelligence in Education Wayne Holmes, Maya Bialik, Charles Fadel, 2019-02-28 The landscape for education has been rapidly changing in the last years: demographic changes affecting the makeup of families, multiple school options available to children, wealth disparities, the global economy demanding new skills from workers, and continued breakthroughs in technology are some of the factors impacting education. Given these changes, how can schools continue to prepare students for the future? In a world where information is readily available online, how can schools continue to be relevant? The emergence of Artificial Intelligence (AI) has exacerbated the need to have these conversations. Its impact on education and the multiple possibilities that it offers are putting pressure on educational leaders to reformulate the school curriculum and the channels to deliver it. The book *Artificial Intelligence in Education, Promises and Implications for Teaching and Learning* by the Center for Curriculum Redesign immerses the reader in a discussion on what to teach students in the era of AI and examines how AI is already demanding much needed updates to the school curriculum, including modernizing its content, focusing on core concepts, and embedding interdisciplinary themes and competencies with the end goal of making learning more enjoyable and useful in students' lives. The second part of the book dives into the history of AI in education, its techniques and applications -including the way AI can help teachers be more effective, and finishes on a reflection about the social aspects of AI. This book is a must-read for educators and policy-makers who want to prepare schools to face the uncertainties of the future and keep them relevant. --Amada Torres, VP, Studies, Insights, and Research, National Association of Independent School (NAIS) The rapid advances in technology in recent decades have already brought about substantial changes in education, opening up new opportunities to teach and learn anywhere anytime and providing new tools and methods to improve learning outcomes and support innovative teaching and learning. Research into artificial intelligence and machine learning in education goes back to the late 1970s. Artificial intelligence methods were generally employed in two ways: to design and facilitate interactive learning environments that would support learning by doing, and to design and implement tutoring systems by adapting instructions with respect to the students' knowledge state. But this is just the beginning. As *Artificial Intelligence in Education* shows, AI is increasingly used in education and learning contexts. The collision of three areas - data, computation and education - is set to have far-reaching consequences, raising fundamental questions about the nature of education: what is taught and how it is taught. *Artificial Intelligence in Education* is an important, if at times disturbing, contribution to the debate on AI and provides a detailed analysis on how it may affect the way teachers and students engage in education. The book describes how artificial intelligence may impact on curriculum design, on the individualisation of learning, and on assessment, offering some tantalising glimpses into the future (the end of exams, your very own lifelong learning companion) while not falling victim to tech-hype. The enormous ethical, technical and pedagogical challenges ahead are spelt out, and there is a real risk that the rapid advances in artificial intelligence products and services will outstrip education systems' capacity to understand, manage and integrate them appropriately. As the book concludes: We can either leave it to others (the computer scientists, AI engineers and big

tech companies) to decide how artificial intelligence in education unfolds, or we can engage in productive dialogue. I commend this book to anyone concerned with the future of education in a digital world. --Marc Durando, Executive Director, European Schoolnet

advantages of artificial intelligence in education: OECD Digital Education Outlook 2021 Pushing the Frontiers with Artificial Intelligence, Blockchain and Robots OECD, 2021-06-08

How might digital technology and notably smart technologies based on artificial intelligence (AI), learning analytics, robotics, and others transform education? This book explores such question. It focuses on how smart technologies currently change education in the classroom and the management of educational organisations and systems.

advantages of artificial intelligence in education: Teaching AI Michelle Zimmerman, 2018-12-15 Get the tools, resources and insights you need to explore artificial intelligence in the classroom and explore what students need to know about living in a world with AI. For many, artificial intelligence, or AI, may seem like science fiction, or inherently overwhelming. The reality is that AI is already being applied in industry and, for many of us, in our daily lives as well. A better understanding of AI can help you make informed decisions in the classroom that will impact the future of your students. Drawing from a broad variety of expert voices from countries including Australia, Japan, and South Africa, as well as educators from around the world and underrepresented student voices, this book explores some of the ways AI can improve education. These include educating learners about AI, teaching them about living in a world where they will be surrounded by AI and helping educators understand how they can use AI to augment human ability. Each chapter offers activities and questions to help you deepen your understanding, try out new concepts and reflect on the information presented. Links to media artifacts from trusted sources will help make your learning experience more dynamic while also providing additional resources to use in your classroom. This book: • Offers a unique approach to the topic, with chapter opening scenes, case studies, and featured student voices. • Discusses a variety of ways to teach students about AI, through design thinking, project-based learning and STEM connections. • Includes lesson ideas, activities and tools for exploring AI with your students. • Includes references to films and other media you can use in class to start discussions on AI or inspire design thinking and STEM projects. In Teaching AI, you'll learn what AI is, how it works and how to use it to better prepare students in a world with increased human-computer interaction.

advantages of artificial intelligence in education: AI and education Miao, Fengchun, Holmes, Wayne, Ronghuai Huang, Hui Zhang, UNESCO, 2021-04-08 Artificial Intelligence (AI) has the potential to address some of the biggest challenges in education today, innovate teaching and learning practices, and ultimately accelerate the progress towards SDG 4. However, these rapid technological developments inevitably bring multiple risks and challenges, which have so far outpaced policy debates and regulatory frameworks. This publication offers guidance for policy-makers on how best to leverage the opportunities and address the risks, presented by the growing connection between AI and education. It starts with the essentials of AI: definitions, techniques and technologies. It continues with a detailed analysis of the emerging trends and implications of AI for teaching and learning, including how we can ensure the ethical, inclusive and equitable use of AI in education, how education can prepare humans to live and work with AI, and how AI can be applied to enhance education. It finally introduces the challenges of harnessing AI to achieve SDG 4 and offers concrete actionable recommendations for policy-makers to plan policies and programmes for local contexts. [Publisher summary, ed]

advantages of artificial intelligence in education: Artificial Intelligence in Schools Varun Arora, 2021-12-30 Artificial Intelligence in Schools is the first book to explore the use of Artificial Intelligence (AI) as a tool to enhance K-12 instruction and administration. Every industry and sector will be drastically affected by the presence of artificial intelligence, and schooling is no exception! Written for the in-service community—leaders, administrators, coaches, and teachers alike—this is your one-stop opportunity to make sure you don't fall behind the fast pace and promising innovations of today's most advanced learning technology. Author Varun Arora presents

AI as a problem-solving tool for teaching and learning, exploring its potential and application in real-world school contexts and in the language of educators. Covering curriculum development, feedback and scoring, student empowerment, behavioral and classroom management, college readiness, and more, the book is full of novel insights and concrete, strategic takeaways.

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- Rock, Paper, Scissors game that recognizes your hand shapes
- An app that recommends movies based on other movies that you like
- A computer character that reacts to insults and compliments
- An interactive virtual assistant (like Siri or Alexa) that obeys commands
- An AI version of Pac-Man, with a smart character that knows how to avoid ghosts

NOTE: This book includes a Scratch tutorial for beginners, and step-by-step instructions for every project. Ages 12+

advantages of artificial intelligence in education: Artificial Intelligence and Inclusive Education Jeremy Knox, Yuchen Wang, Michael Gallagher, 2019-06-13 This book brings together the fields of artificial intelligence (often known as A.I.) and inclusive education in order to speculate on the future of teaching and learning in increasingly diverse social, cultural, emotional, and linguistic educational contexts. This book addresses a pressing need to understand how future educational practices can promote equity and equality, while at the same time adopting A.I. systems that are oriented towards automation, standardisation and efficiency. The contributions in this edited volume appeal to scholars and students with an interest in forming a critical understanding of the development of A.I. for education, as well as an interest in how the processes of inclusive education might be shaped by future technologies. Grounded in theoretical engagement, establishing key challenges for future practice, and outlining the latest research, this book offers a comprehensive overview of the complex issues arising from the convergence of A.I. technologies and the necessity of developing inclusive teaching and learning. To date, there has been little in the way of direct association between research and practice in these domains: A.I. has been a predominantly technical field of research and development, and while intelligent computer systems and 'smart' software are being increasingly applied in many areas of industry, economics, social life, and education itself, a specific engagement with the agenda of inclusion appears lacking. Although such technology offers exciting possibilities for education, including software that is designed to 'personalise' learning or adapt to learner behaviours, these developments are accompanied by growing concerns about the in-built biases involved in machine learning techniques driven by 'big data'.

advantages of artificial intelligence in education: Artificial Intelligence in Education Matthew N.O. Sadiku, Sarhan M. Musa, Uwakwe C. Chukwu, 2022-01-27 The quest for building an artificial brain developed in the fields of computer science and psychology. Artificial intelligence (AI), sometimes called machine intelligence, refers to intelligence demonstrated by machines, while the natural intelligence is the intelligence displayed by humans and animals. Typically, AI systems demonstrate at least some of the following human behaviors: planning, learning, reasoning, problem solving, knowledge representation, perception, speech recognition, decision-making, language translation, motion, manipulation, intelligence, and creativity. Artificial intelligence is an emerging technology which the educational sector can benefit from. In this book, we consider the applications of AI in key areas of education. Artificial intelligence in education (AIED) refers to the application of

AI technologies in educational settings to facilitate teaching, learning, or decision making. AI will impact the education field in the areas of administration, instruction, and personalized, and individualized learning applications. In this book, AI is specifically applied in the following key educational sectors: education, natural sciences, social sciences, computer science, engineering, business, and medicine.

advantages of artificial intelligence in education: *Managing Complexity* G. Rzevski, P. Skobelev, 2014-03-25 *Managing Complexity* is the first book that clearly defines the concept of Complexity, explains how Complexity can be measured and tuned, and describes the seven key features of Complex Systems:

ConnectivityAutonomyEmergencyNonequilibriumNon-linearitySelf-organisationCo-evolution The thesis of the book is that complexity of the environment in which we work and live offers new opportunities and that the best strategy for surviving and prospering under conditions of complexity is to develop adaptability to perpetually changing conditions. An effective method for designing adaptability into business processes using multi-agent technology is presented and illustrated by several extensive examples, including adaptive, real-time scheduling of taxis, sea-going tankers, road transport, supply chains, railway trains, production processes and swarms of small space satellites. Additional case studies include adaptive servicing of the International Space Station; adaptive processing of design changes of large structures such as wings of the largest airliner in the world; dynamic data mining, knowledge discovery and distributed semantic processing. Finally, the book provides a foretaste of the next generation of complex issues, notably, The Internet of Things, Smart Cities, Digital Enterprises and Smart Logistics.

advantages of artificial intelligence in education: *Revolutionizing Education in the Age of AI and Machine Learning* Habib, Maki K., 2019-09-15 Artificial Intelligence (AI) serves as a catalyst for transformation in the field of digital teaching and learning by introducing novel solutions to revolutionize all dimensions of the educational process, leading to individualized learning experiences, teachers playing a greater role as mentors, and the automation of all administrative processes linked to education. AI and machine learning are already contributing to and are expected to improve the quality of the educational process by providing advantages such as personalized and interactive tutoring with the ability to adjust the content and the learning pace of each individual student while assessing their performance and providing feedback. These shifts in the educational paradigm have a profound impact on the quality and the way we live, interact with each other, and define our values. Thus, there is a need for an earnest inquiry into the cultural repercussions of this phenomenon that extends beyond superficial analyses of AI-based applications in education. *Revolutionizing Education in the Age of AI and Machine Learning* addresses the need for a scholarly exploration of the cultural and social impacts of the rapid expansion of artificial intelligence in the field of education including potential consequences these impacts could have on culture, social relations, and values. The content within this publication covers such topics as AI and tutoring, role of teachers, physical education and sports, interactive E-learning and virtual laboratories, adaptive curricula development, support critical thinking, and augmented intelligence and it is designed for educators, curriculum developers, instructional designers, educational software developers, education consultants, academicians, administrators, researchers, and professionals.

advantages of artificial intelligence in education: **Understanding the impact of artificial intelligence on skills development** UNESCO International Centre for Technical and Vocational Education and Training, 2021-04-02

advantages of artificial intelligence in education: **Handbook of Research on Advanced Research Methodologies for a Digital Society** Punziano, Gabriella, Delli Paoli, Angela, 2021-09-03 Doing research is an ever-changing challenge for social scientists. This challenge is harder than ever today as current societies are changing quickly and in many, sometimes conflicting, directions. Social phenomena, personal interactions, and formal and informal relationships are becoming more borderless and disconnected from the anchors of the offline "reality." These dynamics are heavily marking our time and are suggesting evolutionary challenges

in the ways we know, interpret, and analyze the world. Internet and computer-mediated communication (CMC) is being incorporated into every aspect of daily life, and social life has been deeply penetrated by the internet. This is due to recent technological developments that increase the scope and range of online social spaces and the forms and time of participation such as Web 2.0, which widened the opportunities for user-generated content, the emergence of an “internet of things,” and of ubiquitous mobile devices that make it possible to always be connected. This implies an adjustment to epistemological and methodological stances for conducting social research and an adaption of traditional social research methods to the specificities of online interactions in the digital society. The Handbook of Research on Advanced Research Methodologies for a Digital Society covers the different strands of methods most affected by the change in a digital society and develops a broader theoretical reflection on the future of social research in its challenge to always be fitting, suitable, adaptable, and pertinent to the society to be studied. The chapters are geared towards unlocking the future frontiers and potential for social research in the digital society. They include theoretical, epistemological, and ontological reflections about the digital research methods as well as innovative methods and tools to collect, analyze, and interpret data. This book is ideal for social scientists, practitioners, librarians, researchers, academicians, and students interested in social research methodology and its developments in the digital scenario.

advantages of artificial intelligence in education: Artificial Intelligence in Education

Elisabeth André, Ryan Baker, Xiangen Hu, Ma. Mercedes T. Rodrigo, Benedict du Boulay, 2017-06-22 This book constitutes the refereed proceedings of the 18th International Conference on Artificial Intelligence in Education, AIED 2017, held in Wuhan, China, in June/July 2017. The 36 revised full papers presented together with 4 keynotes, 37 poster, presentations, 4 doctoral consortium papers, 5 industry papers, 4 workshop abstracts, and 2 tutorial abstracts were carefully reviewed and selected from 159 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas.

advantages of artificial intelligence in education: Artificial Intelligence in Behavioral and Mental Health Care David D. Luxton, 2015-09-10 Artificial Intelligence in Behavioral and Mental Health Care summarizes recent advances in artificial intelligence as it applies to mental health clinical practice. Each chapter provides a technical description of the advance, review of application in clinical practice, and empirical data on clinical efficacy. In addition, each chapter includes a discussion of practical issues in clinical settings, ethical considerations, and limitations of use. The book encompasses AI based advances in decision-making, in assessment and treatment, in providing education to clients, robot assisted task completion, and the use of AI for research and data gathering. This book will be of use to mental health practitioners interested in learning about, or incorporating AI advances into their practice and for researchers interested in a comprehensive review of these advances in one source. - Summarizes AI advances for use in mental health practice - Includes advances in AI based decision-making and consultation - Describes AI applications for assessment and treatment - Details AI advances in robots for clinical settings - Provides empirical data on clinical efficacy - Explores practical issues of use in clinical settings

advantages of artificial intelligence in education: Artificial Intelligence for Knowledge Management Mieczysław Lech Owoc, Maciej Pondel, 2022-08-07 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.

advantages of artificial intelligence in education: Turning Point Darrell M. West, John R. Allen, 2021-10-19 Artificial Intelligence is here, today. How can society make the best use of it? Until

recently, artificial intelligence sounded like something out of science fiction. But the technology of artificial intelligence, AI, is becoming increasingly common, from self-driving cars to e-commerce algorithms that seem to know what you want to buy before you do. Throughout the economy and many aspects of daily life, artificial intelligence has become the transformative technology of our time. Despite its current and potential benefits, AI is little understood by the larger public and widely feared. The rapid growth of artificial intelligence has given rise to concerns that hidden technology will create a dystopian world of increased income inequality, a total lack of privacy, and perhaps a broad threat to humanity itself. In their compelling and readable book, two experts at Brookings discuss both the opportunities and risks posed by artificial intelligence--and how near-term policy decisions could determine whether the technology leads to utopia or dystopia. Drawing on in-depth studies of major uses of AI, the authors detail how the technology actually works. They outline a policy and governance blueprint for gaining the benefits of artificial intelligence while minimizing its potential downsides. The book offers major recommendations for actions that governments, businesses, and individuals can take to promote trustworthy and responsible artificial intelligence. Their recommendations include: creation of ethical principles, strengthening government oversight, defining corporate culpability, establishment of advisory boards at federal agencies, using third-party audits to reduce biases inherent in algorithms, tightening personal privacy requirements, using insurance to mitigate exposure to AI risks, broadening decision-making about AI uses and procedures, penalizing malicious uses of new technologies, and taking pro-active steps to address how artificial intelligence affects the workforce. *Turning Point* is essential reading for anyone concerned about how artificial intelligence works and what can be done to ensure its benefits outweigh its harm.

advantages of artificial intelligence in education: *An Introduction to Artificial Intelligence in Education* Shengquan Yu, Yu Lu, 2021-11-29 This book systematically reviews a broad range of cases in education that utilize cutting-edge AI technologies. Furthermore, it introduces readers to the latest findings on the scope of AI in education, so as to inspire researchers from non-technological fields (e.g. education, psychology and neuroscience) to solve education problems using the latest AI techniques. It also showcases a number of established AI systems and products that have been employed for education. Lastly, the book discusses how AI can offer an enabling technology for critical aspects of education, typically including the learner, content, strategy, tools and environment, and what breakthroughs and advances the future holds. The book provides an essential resource for researchers, students and industrial practitioners interested and engaged in the fields of AI and education. It also offers a convenient handbook for non-professional readers who need a primer on AI in education, and who want to gain a deeper understanding of emerging trends in this domain.

advantages of artificial intelligence in education: *Artificial Intelligence and Education - Shaping the Future of Learning* , 2024-10-02 The book discusses the impact of artificial intelligence (AI) on education, exploring both the opportunities and challenges it brings. It aims to provide a comprehensive understanding of how AI is reshaping the educational environment, from personalized learning experiences and intelligent tutoring systems to administrative efficiencies and ethical considerations. The book also addresses the implications of AI on traditional educational models and the broader societal context, sparking a dialogue about AI's potential for enhancing learning outcomes and preparing students for an AI-driven world. Overall, it aims to inspire innovation and critical thinking in the field of education.

advantages of artificial intelligence in education: *Applications of Artificial Intelligence in Business, Education and Healthcare* Allam Hamdan, Aboul Ella Hassanien, Reem Khamis, Bahaaeddin Alareeni, Anjum Razzaque, Bahaa Awwad, 2021-07-12 This book focuses on the implementation of Artificial Intelligence in Business, Education and Healthcare, It includes research articles and expository papers on the applications of Artificial Intelligence on Decision Making, Entrepreneurship, Social Media, Healthcare, Education, Public Sector, FinTech, and RegTech. It also discusses the role of Artificial Intelligence in the current COVID-19 pandemic, in the health sector,

education, and others. It also discusses the impact of Artificial Intelligence on decision-making in vital sectors of the economy.

advantages of artificial intelligence in education: Emerging Realities and the Future of Technology in the Classroom Inaya Jaafar, James Pedersen, 2021 This book examines a variety of pertinent topics that look at the present and future roles of technology in the classroom to assist educators, educational leaders, and instructional designers in establishing future-ready learning, today--

advantages of artificial intelligence in education: *Artificial Intelligence* Harvard Business Review, 2019 Companies that don't use AI to their advantage will soon be left behind. Artificial intelligence and machine learning will drive a massive reshaping of the economy and society. What should you and your company be doing right now to ensure that your business is poised for success? These articles by AI experts and consultants will help you understand today's essential thinking on what AI is capable of now, how to adopt it in your organization, and how the technology is likely to evolve in the near future. *Artificial Intelligence: The Insights You Need* from Harvard Business Review will help you spearhead important conversations, get going on the right AI initiatives for your company, and capitalize on the opportunity of the machine intelligence revolution. Catch up on current topics and deepen your understanding of them with the *Insights You Need* series from Harvard Business Review. Featuring some of HBR's best and most recent thinking, *Insights You Need* titles are both a primer on today's most pressing issues and an extension of the conversation, with interesting research, interviews, case studies, and practical ideas to help you explore how a particular issue will impact your company and what it will mean for you and your business.

advantages of artificial intelligence in education: *Artificial Intelligence in Society* OECD, 2019-06-11 The artificial intelligence (AI) landscape has evolved significantly from 1950 when Alan Turing first posed the question of whether machines can think. Today, AI is transforming societies and economies. It promises to generate productivity gains, improve well-being and help address global challenges, such as climate change, resource scarcity and health crises.

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advantages of artificial intelligence in education: *Artificial Intelligence in Education* KHRITISH SWARGIARY, 2023-07-04 The book *AI in Education: Transforming Learning for the Future* aims to provide an in-depth exploration of the applications, advantages, challenges, and ethical considerations of integrating artificial intelligence in educational settings. The book focuses on how AI can revolutionize teaching and learning processes, empower educators, and enhance student outcomes while being mindful of potential concerns. Through case studies and best practices, readers will gain insights into successful AI implementation and learn how to navigate the dynamic landscape of AI-driven education. The book emphasizes the importance of ethical AI development, fostering a balanced approach that combines technological advancement with human values for a brighter future in education.

advantages of artificial intelligence in education: *Robot-Proof, revised and updated*

edition Joseph E. Aoun, 2024-10-15 A fresh look at a “robot-proof” education in the new age of generative AI. In 2017, *Robot-Proof*, the first edition, foresaw the advent of the AI economy and called for a new model of higher education designed to help human beings flourish alongside smart machines. That economy has arrived. Creative tasks that, seven years ago, seemed resistant to automation can now be performed with a simple prompt. As a result, we must now learn not only to be conversant with these technologies, but also to comprehend and deploy their outputs. In this revised and updated edition, Joseph Aoun rethinks the university’s mission for a world transformed by AI, advocating for the lifelong endeavor of a “robot-proof” education. Aoun puts forth a framework for a new curriculum, humanics, which integrates technological, data, and human literacies in an experiential setting, and he renews the call for universities to embrace lifelong learning through a social compact with government, employers, and learners themselves. Drawing on the latest developments and debates around generative AI, *Robot-Proof* is a blueprint for the university as a force for human reinvention in an era of technological change—an era in which we must constantly renegotiate the shifting boundaries between artificial intelligence and the capacities that remain uniquely human.

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