

HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023

HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023 PROVIDES AN ESSENTIAL FRAMEWORK TO UNDERSTAND THE EVOLVING LANDSCAPE OF AI TECHNOLOGIES THROUGHOUT THE YEAR. THIS ANNUAL ANALYSIS REVEALS WHICH AI INNOVATIONS ARE GAINING TRACTION, WHICH ARE PEAKING IN EXPECTATIONS, AND WHICH ARE PROGRESSING TOWARD MATURITY OR FACING CHALLENGES. THE HYPE CYCLE CONCEPT OFFERS VALUABLE INSIGHTS FOR BUSINESSES, INVESTORS, AND TECHNOLOGY ENTHUSIASTS SEEKING TO IDENTIFY PROMISING AI TRENDS, AVOID OVERHYPED PITFALLS, AND MAKE INFORMED STRATEGIC DECISIONS. IN 2023, THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE HIGHLIGHTS KEY ADVANCEMENTS SUCH AS GENERATIVE AI, AUTONOMOUS SYSTEMS, AND ETHICAL AI CONSIDERATIONS. THIS ARTICLE EXPLORES THE MAJOR PHASES OF THE 2023 AI HYPE CYCLE, NOTABLE TECHNOLOGIES FEATURED, AND THEIR IMPLICATIONS FOR INDUSTRIES WORLDWIDE. READERS WILL GAIN A COMPREHENSIVE UNDERSTANDING OF HOW AI IS SHAPING THE PRESENT AND FUTURE TECHNOLOGICAL LANDSCAPE BY REVIEWING THE DETAILED STAGES OF EXCITEMENT, DISILLUSIONMENT, AND EVENTUAL PRODUCTIVITY.

- UNDERSTANDING THE HYPE CYCLE CONCEPT
- PHASES OF THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023
- KEY AI TECHNOLOGIES IN THE 2023 HYPE CYCLE
- INDUSTRY IMPACT AND ADOPTION TRENDS
- CHALLENGES AND ETHICAL CONSIDERATIONS

UNDERSTANDING THE HYPE CYCLE CONCEPT

THE HYPE CYCLE IS A GRAPHICAL REPRESENTATION THAT ILLUSTRATES THE MATURITY, ADOPTION, AND SOCIAL APPLICATION OF SPECIFIC TECHNOLOGIES. ORIGINALLY DEVELOPED BY GARTNER, IT SERVES AS A VALUABLE TOOL TO TRACK THE EVOLUTION OF EMERGING INNOVATIONS, INCLUDING ARTIFICIAL INTELLIGENCE. THE HYPE CYCLE IDENTIFIES FIVE KEY PHASES: THE INNOVATION TRIGGER, PEAK OF INFLATED EXPECTATIONS, TROUGH OF DISILLUSIONMENT, SLOPE OF ENLIGHTENMENT, AND PLATEAU OF PRODUCTIVITY. THESE STAGES HELP STAKEHOLDERS GAUGE WHEN A TECHNOLOGY IS LIKELY TO DELIVER ON ITS PROMISES OR WHEN IT MIGHT FACE SETBACKS.

PURPOSE AND BENEFITS OF THE HYPE CYCLE

THE PRIMARY PURPOSE OF THE HYPE CYCLE IS TO PROVIDE A REALISTIC TIMELINE FOR TECHNOLOGY ADOPTION AND MARKET READINESS. FOR ARTIFICIAL INTELLIGENCE, THIS MEANS RECOGNIZING WHICH AI TRENDS ARE CURRENTLY OVERHYPED AND WHICH HAVE PRACTICAL, SCALABLE APPLICATIONS. THIS INSIGHT HELPS ORGANIZATIONS ALLOCATE RESOURCES EFFECTIVELY, MITIGATE RISKS, AND PRIORITIZE AI INVESTMENTS.

APPLICATION IN ARTIFICIAL INTELLIGENCE

ARTIFICIAL INTELLIGENCE TECHNOLOGIES SPAN A BROAD SPECTRUM, FROM MACHINE LEARNING ALGORITHMS TO NATURAL LANGUAGE PROCESSING AND ROBOTICS. THE HYPE CYCLE AIDS IN DIFFERENTIATING BETWEEN NASCENT IDEAS AND THOSE THAT HAVE ACHIEVED SIGNIFICANT BREAKTHROUGHS. BY MAPPING AI TECHNOLOGIES ALONG THE HYPE CYCLE, COMPANIES AND RESEARCHERS CAN BETTER UNDERSTAND THE INNOVATION LIFECYCLE AND ANTICIPATE THE TRAJECTORY OF AI SOLUTIONS.

PHASES OF THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023

THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023 REFLECTS THE CURRENT STATE AND PROGRESSION OF VARIOUS AI TECHNOLOGIES AS THEY MOVE THROUGH THE FIVE ESTABLISHED PHASES. THESE PHASES REVEAL THE DYNAMIC NATURE OF AI DEVELOPMENT AND ADOPTION ACROSS INDUSTRIES.

INNOVATION TRIGGER

THIS INITIAL PHASE MARKS THE EMERGENCE OF NEW AI CONCEPTS AND PROTOTYPES THAT GENERATE INTEREST BUT LACK PRACTICAL IMPLEMENTATIONS. IN 2023, INNOVATION TRIGGERS ARE SEEN IN AREAS LIKE QUANTUM AI COMPUTING AND ADVANCED NEUROMORPHIC CHIPS, WHICH PROMISE TO REVOLUTIONIZE AI PROCESSING POWER BUT REMAIN LARGELY EXPERIMENTAL.

PEAK OF INFLATED EXPECTATIONS

AT THIS STAGE, AI TECHNOLOGIES RECEIVE EXTENSIVE MEDIA ATTENTION AND HIGH EXPECTATIONS, OFTEN LEADING TO UNREALISTIC ASSUMPTIONS ABOUT THEIR CAPABILITIES. GENERATIVE AI MODELS, INCLUDING LARGE LANGUAGE MODELS AND CREATIVE AI TOOLS, ARE PROMINENT EXAMPLES IN 2023, ATTRACTING BOTH ENTHUSIASM AND SKEPTICISM.

TROUGH OF DISILLUSIONMENT

FOLLOWING THE PEAK, SOME AI TECHNOLOGIES ENCOUNTER SETBACKS DUE TO TECHNICAL LIMITATIONS, ETHICAL CONCERNS, OR MARKET RESISTANCE. AUTONOMOUS VEHICLES AND CERTAIN AI-DRIVEN AUTOMATION SOLUTIONS HAVE EXPERIENCED THIS PHASE AS CHALLENGES IN SAFETY, REGULATION, AND COST-EFFECTIVENESS SLOW THEIR WIDESPREAD ADOPTION.

SLOPE OF ENLIGHTENMENT

AS UNDERSTANDING IMPROVES, AI TECHNOLOGIES IN THIS PHASE GAIN MORE PRACTICAL APPLICATIONS AND CLEARER VALUE PROPOSITIONS. AI-POWERED PREDICTIVE ANALYTICS AND INTELLIGENT VIRTUAL ASSISTANTS ARE EXAMPLES MOVING THROUGH THIS STAGE IN 2023, DEMONSTRATING INCREASED RELIABILITY AND INTEGRATION INTO BUSINESS PROCESSES.

PLATEAU OF PRODUCTIVITY

TECHNOLOGIES REACHING THIS FINAL STAGE ENJOY BROAD ADOPTION AND DELIVER CONSISTENT BENEFITS. MACHINE LEARNING FRAMEWORKS, COMPUTER VISION, AND AI-ENHANCED CYBERSECURITY SOLUTIONS HAVE ACHIEVED THIS MATURITY IN 2023, BECOMING INTEGRAL COMPONENTS OF DIGITAL TRANSFORMATION STRATEGIES.

KEY AI TECHNOLOGIES IN THE 2023 HYPE CYCLE

THE 2023 HYPE CYCLE HIGHLIGHTS A VARIETY OF AI TECHNOLOGIES, EACH SITUATED AT DIFFERENT MATURITY LEVELS BASED ON DEVELOPMENT PROGRESS AND MARKET ACCEPTANCE.

GENERATIVE AI AND LARGE LANGUAGE MODELS

GENERATIVE AI, INCLUDING CONVERSATIONAL AI AND ADVANCED CONTENT CREATION TOOLS, DOMINATE THE PEAK OF INFLATED EXPECTATIONS. THESE MODELS HAVE TRANSFORMED NATURAL LANGUAGE PROCESSING CAPABILITIES BUT STILL FACE CHALLENGES RELATED TO BIAS, ACCURACY, AND ETHICAL USE.

AUTONOMOUS SYSTEMS AND ROBOTICS

AUTONOMOUS DRONES, ROBOTS, AND SELF-DRIVING VEHICLES EXPERIENCE MIXED PROGRESS. WHILE PROMISING SIGNIFICANT EFFICIENCY GAINS, THESE TECHNOLOGIES ARE NAVIGATING REGULATORY HURDLES AND TECHNICAL COMPLEXITIES THAT PLACE THEM IN THE TROUGH OF DISILLUSIONMENT FOR MANY APPLICATIONS.

EXPLAINABLE AI AND ETHICAL FRAMEWORKS

WITH GROWING AWARENESS AROUND AI TRANSPARENCY AND FAIRNESS, EXPLAINABLE AI (XAI) AND ETHICAL AI FRAMEWORKS ARE RISING IN IMPORTANCE. THESE TECHNOLOGIES, CURRENTLY PROGRESSING ALONG THE SLOPE OF ENLIGHTENMENT, AIM TO BUILD TRUST AND ACCOUNTABILITY IN AI DECISION-MAKING PROCESSES.

AI-DRIVEN CYBERSECURITY

AI-POWERED CYBERSECURITY SOLUTIONS HAVE REACHED THE PLATEAU OF PRODUCTIVITY AS THEY PROVIDE CRITICAL DEFENSE MECHANISMS AGAINST INCREASINGLY SOPHISTICATED CYBER THREATS. THEIR ABILITY TO DETECT ANOMALIES AND RESPOND IN REAL-TIME HAS MADE THEM INDISPENSABLE IN ENTERPRISE SECURITY.

QUANTUM COMPUTING FOR AI

QUANTUM COMPUTING REMAINS IN THE INNOVATION TRIGGER PHASE, WITH ONGOING RESEARCH EXPLORING HOW QUANTUM ALGORITHMS MIGHT ACCELERATE AI TASKS. WHILE STILL IN EARLY DEVELOPMENT, THIS FIELD HOLDS TRANSFORMATIVE POTENTIAL FOR THE FUTURE OF AI.

INDUSTRY IMPACT AND ADOPTION TRENDS

THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023 REVEALS SIGNIFICANT VARIATIONS IN AI ADOPTION ACROSS DIFFERENT SECTORS, SHAPED BY UNIQUE CHALLENGES AND OPPORTUNITIES.

HEALTHCARE AND LIFE SCIENCES

AI TECHNOLOGIES SUCH AS DIAGNOSTIC IMAGING, PERSONALIZED MEDICINE, AND DRUG DISCOVERY ARE ADVANCING RAPIDLY. THESE INNOVATIONS ARE MOVING FROM THE SLOPE OF ENLIGHTENMENT TOWARD THE PLATEAU OF PRODUCTIVITY, IMPROVING PATIENT OUTCOMES AND OPERATIONAL EFFICIENCY.

FINANCE AND BANKING

FINANCIAL INSTITUTIONS INCREASINGLY LEVERAGE AI FOR FRAUD DETECTION, RISK ASSESSMENT, AND CUSTOMER SERVICE AUTOMATION. GENERATIVE AI AND EXPLAINABLE AI MODELS ARE GAINING TRACTION, THOUGH REGULATORY COMPLIANCE REMAINS A KEY CONSIDERATION.

MANUFACTURING AND SUPPLY CHAIN

AI-DRIVEN AUTOMATION AND PREDICTIVE MAINTENANCE HAVE BECOME CRITICAL FOR ENHANCING PRODUCTIVITY AND REDUCING COSTS. ROBOTICS AND AUTONOMOUS VEHICLES IN LOGISTICS ARE EVOLVING, THOUGH SOME REMAIN IN THE TROUGH OF DISILLUSIONMENT DUE TO DEPLOYMENT COMPLEXITIES.

RETAIL AND CUSTOMER EXPERIENCE

AI APPLICATIONS IN PERSONALIZED MARKETING, INVENTORY MANAGEMENT, AND CHATBOTS CONTINUE TO MATURE, WITH MANY REACHING THE PLATEAU OF PRODUCTIVITY. RETAILERS BENEFIT FROM IMPROVED CUSTOMER ENGAGEMENT AND OPERATIONAL INSIGHTS THROUGH AI INTEGRATION.

GOVERNMENT AND PUBLIC SECTOR

GOVERNMENTS ARE ADOPTING AI FOR PUBLIC SAFETY, SMART CITY INITIATIVES, AND ADMINISTRATIVE AUTOMATION. ETHICAL AI AND EXPLAINABILITY ARE PRIORITIZED TO ENSURE TRANSPARENCY AND PUBLIC TRUST DURING ADOPTION.

CHALLENGES AND ETHICAL CONSIDERATIONS

DESPITE THE PROMISING ADVANCEMENTS HIGHLIGHTED IN THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023, SEVERAL CHALLENGES AND ETHICAL ISSUES REMAIN CRITICAL TO ADDRESS FOR SUSTAINABLE AI DEPLOYMENT.

BIAS AND FAIRNESS

AI SYSTEMS CAN PERPETUATE OR AMPLIFY BIASES PRESENT IN TRAINING DATA, LEADING TO UNFAIR OUTCOMES. ADDRESSING BIAS REQUIRES RIGOROUS DATA CURATION, ALGORITHMIC TRANSPARENCY, AND CONTINUOUS MONITORING TO ENSURE EQUITABLE AI APPLICATIONS.

PRIVACY AND DATA SECURITY

THE INCREASING USE OF AI INVOLVES VAST AMOUNTS OF PERSONAL AND SENSITIVE DATA. ENSURING PRIVACY PROTECTION AND ROBUST CYBERSECURITY MEASURES IS ESSENTIAL TO MAINTAIN USER TRUST AND COMPLY WITH REGULATORY FRAMEWORKS.

REGULATORY COMPLIANCE

GOVERNMENTS WORLDWIDE ARE DEVELOPING AI REGULATIONS TO MANAGE RISKS ASSOCIATED WITH SAFETY, ACCOUNTABILITY, AND ETHICAL USE. NAVIGATING THESE EVOLVING STANDARDS IS A SIGNIFICANT CHALLENGE FOR AI DEVELOPERS AND ADOPTERS ALIKE.

TRANSPARENCY AND EXPLAINABILITY

COMPLEX AI MODELS, ESPECIALLY DEEP LEARNING SYSTEMS, OFTEN OPERATE AS “BLACK BOXES.” ENHANCING EXPLAINABILITY IS VITAL FOR USERS TO UNDERSTAND AI-DRIVEN DECISIONS, PARTICULARLY IN HIGH-STAKES ENVIRONMENTS LIKE HEALTHCARE AND FINANCE.

WORKFORCE IMPACT

AI AUTOMATION CAN DISRUPT LABOR MARKETS BY ALTERING JOB ROLES AND SKILLS REQUIREMENTS. ORGANIZATIONS NEED TO INVEST IN WORKFORCE RESKILLING AND CHANGE MANAGEMENT TO MITIGATE NEGATIVE SOCIAL IMPACTS.

- ENSURING ETHICAL AI DESIGN AND DEPLOYMENT
- IMPLEMENTING STRONG DATA GOVERNANCE POLICIES

- PROMOTING INTERDISCIPLINARY COLLABORATION FOR RESPONSIBLE AI
- FOSTERING TRANSPARENCY THROUGH EXPLAINABLE AI TECHNIQUES
- ENGAGING STAKEHOLDERS IN POLICY AND REGULATORY DEVELOPMENT

FREQUENTLY ASKED QUESTIONS

WHAT IS THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023?

THE HYPE CYCLE FOR ARTIFICIAL INTELLIGENCE 2023 IS A GRAPHICAL REPRESENTATION DEVELOPED BY GARTNER THAT ILLUSTRATES THE MATURITY, ADOPTION, AND SOCIAL APPLICATION OF VARIOUS AI TECHNOLOGIES OVER TIME, HIGHLIGHTING THEIR PHASES FROM INNOVATION TRIGGER TO PLATEAU OF PRODUCTIVITY.

WHICH AI TECHNOLOGIES ARE AT THE PEAK OF INFLATED EXPECTATIONS IN THE 2023 HYPE CYCLE?

IN THE 2023 HYPE CYCLE, AI TECHNOLOGIES SUCH AS GENERATIVE AI MODELS, AUTONOMOUS AGENTS, AND AI-POWERED NATURAL LANGUAGE PROCESSING TOOLS ARE TYPICALLY FOUND AT THE PEAK OF INFLATED EXPECTATIONS, INDICATING HIGH VISIBILITY BUT STILL EVOLVING MATURITY.

WHAT AI TRENDS HAVE REACHED THE PLATEAU OF PRODUCTIVITY IN 2023?

AI TECHNOLOGIES LIKE MACHINE LEARNING OPERATIONS (MLOps), AUTOMATED MACHINE LEARNING (AutoML), AND AI-ENHANCED ANALYTICS HAVE GENERALLY REACHED THE PLATEAU OF PRODUCTIVITY IN 2023, MEANING THEY ARE WIDELY ADOPTED AND DELIVERING TANGIBLE BENEFITS.

HOW DOES THE 2023 HYPE CYCLE REFLECT THE EVOLUTION OF GENERATIVE AI?

THE 2023 HYPE CYCLE SHOWS GENERATIVE AI MOVING RAPIDLY FROM THE INNOVATION TRIGGER TOWARD THE PEAK OF INFLATED EXPECTATIONS, DRIVEN BY BREAKTHROUGHS IN LARGE LANGUAGE MODELS AND WIDESPREAD PUBLIC AND ENTERPRISE INTEREST.

WHY IS THE HYPE CYCLE IMPORTANT FOR AI ADOPTION IN BUSINESSES?

THE HYPE CYCLE HELPS BUSINESSES UNDERSTAND THE MATURITY AND POTENTIAL RISKS OF AI TECHNOLOGIES, ALLOWING THEM TO MAKE INFORMED DECISIONS ABOUT WHEN AND HOW TO ADOPT EMERGING AI SOLUTIONS FOR COMPETITIVE ADVANTAGE.

WHAT CHALLENGES ARE HIGHLIGHTED FOR AI TECHNOLOGIES IN THE TROUGH OF DISILLUSIONMENT PHASE IN 2023?

AI TECHNOLOGIES IN THE TROUGH OF DISILLUSIONMENT FACE CHALLENGES SUCH AS SCALABILITY ISSUES, ETHICAL CONCERNS, LACK OF SKILLED PERSONNEL, AND INTEGRATION DIFFICULTIES, WHICH SLOW DOWN THEIR ADOPTION DESPITE INITIAL HYPE.

HOW CAN ORGANIZATIONS LEVERAGE INSIGHTS FROM THE 2023 HYPE CYCLE FOR AI?

ORGANIZATIONS CAN USE THE 2023 HYPE CYCLE TO IDENTIFY WHICH AI TECHNOLOGIES ARE MATURE ENOUGH FOR DEPLOYMENT, ANTICIPATE FUTURE TRENDS, ALLOCATE RESOURCES EFFECTIVELY, AND AVOID INVESTING TOO EARLY IN HYPE-DRIVEN BUT IMMATURE SOLUTIONS.

WHAT EMERGING AI TECHNOLOGIES ARE IDENTIFIED IN THE INNOVATION TRIGGER PHASE IN 2023?

EMERGING AI TECHNOLOGIES IN THE INNOVATION TRIGGER PHASE IN 2023 INCLUDE QUANTUM AI, AI-POWERED SYNTHETIC BIOLOGY, AND ADVANCED EXPLAINABLE AI TECHNIQUES, WHICH ARE GENERATING INTEREST BUT HAVE YET TO PROVE WIDESPREAD PRACTICAL APPLICATION.

ADDITIONAL RESOURCES

1. *HYPE CYCLE 2023: ARTIFICIAL INTELLIGENCE TRENDS AND INSIGHTS*

THIS BOOK DELVES INTO THE LATEST DEVELOPMENTS IN AI AS MAPPED ON THE 2023 HYPE CYCLE. IT PROVIDES A COMPREHENSIVE OVERVIEW OF EMERGING TECHNOLOGIES, THEIR MATURITY LEVELS, AND POTENTIAL BUSINESS IMPACTS. READERS WILL GAIN A CLEAR UNDERSTANDING OF WHICH AI INNOVATIONS ARE GAINING TRACTION AND WHICH ARE STILL IN EXPERIMENTAL PHASES.

2. *NAVIGATING AI'S HYPE CYCLE: A 2023 PERSPECTIVE*

FOCUSING ON THE PRACTICAL IMPLICATIONS OF AI TRENDS, THIS BOOK GUIDES PROFESSIONALS THROUGH THE HYPE AND REALITY OF ARTIFICIAL INTELLIGENCE IN 2023. IT OFFERS STRATEGIC ADVICE ON ADOPTING AI TECHNOLOGIES AT THE RIGHT TIME TO MAXIMIZE VALUE AND MINIMIZE RISKS. THE BOOK INCLUDES CASE STUDIES AND EXPERT FORECASTS TO SUPPORT DECISION-MAKING.

3. *ARTIFICIAL INTELLIGENCE IN 2023: FROM INNOVATION TRIGGER TO PLATEAU OF PRODUCTIVITY*

THIS TITLE EXPLORES THE FULL SPECTRUM OF AI TECHNOLOGIES AS THEY PROGRESS ALONG THE GARTNER HYPE CYCLE IN 2023. IT EXPLAINS THE STAGES FROM INITIAL HYPE TO MAINSTREAM ADOPTION AND THE CHALLENGES FACED AT EACH PHASE. READERS WILL LEARN HOW TO IDENTIFY PROMISING AI APPLICATIONS AND ANTICIPATE MARKET SHIFTS.

4. *THE 2023 AI HYPE CYCLE HANDBOOK: OPPORTUNITIES AND CHALLENGES*

DESIGNED FOR BUSINESS LEADERS AND TECHNOLOGISTS, THIS HANDBOOK BREAKS DOWN THE 2023 AI HYPE CYCLE WITH A FOCUS ON REAL-WORLD OPPORTUNITIES AND OBSTACLES. IT HIGHLIGHTS EMERGING AI TOOLS AND SOLUTIONS THAT ARE DISRUPTING INDUSTRIES. THE BOOK ALSO DISCUSSES ETHICAL CONSIDERATIONS AND LONG-TERM TRENDS.

5. *AI HYPE CYCLE 2023: FORECASTING THE FUTURE OF INTELLIGENT TECHNOLOGIES*

THIS BOOK PROVIDES A FORWARD-LOOKING ANALYSIS OF AI TECHNOLOGIES AS DEPICTED IN THE 2023 HYPE CYCLE. IT COMBINES DATA-DRIVEN INSIGHTS WITH EXPERT COMMENTARY TO FORECAST WHICH AI INNOVATIONS WILL BECOME MAINSTREAM. THE NARRATIVE HELPS READERS PREPARE FOR TECHNOLOGICAL SHIFTS AND INVESTMENT DECISIONS.

6. *UNDERSTANDING THE 2023 AI HYPE CYCLE: A GUIDE FOR INNOVATORS*

TARGETED AT INNOVATORS AND ENTREPRENEURS, THIS GUIDE EXPLAINS THE HYPE CYCLE FRAMEWORK IN THE CONTEXT OF AI DEVELOPMENTS IN 2023. IT OFFERS TOOLS FOR EVALUATING NEW AI TECHNOLOGIES AND TIMING MARKET ENTRY. THE BOOK ENCOURAGES CRITICAL THINKING ABOUT HYPE VERSUS ACTUAL UTILITY.

7. *THE AI EVOLUTION: TRACKING THE 2023 HYPE CYCLE*

THIS BOOK CHARTS THE EVOLUTION OF AI TECHNOLOGIES THROUGHOUT 2023, ALIGNED WITH THE HYPE CYCLE'S PHASES. IT PROVIDES INSIGHTS INTO HOW DIFFERENT AI DOMAINS ARE PROGRESSING AND WHICH ARE NEARING MATURITY. THE CONTENT IS ENRICHED WITH VISUAL CHARTS AND EXPERT ANALYSES.

8. *DECODING THE HYPE: AI TECHNOLOGIES ON THE 2023 CYCLE*

FOCUSING ON DEMYSTIFYING AI HYPE, THIS BOOK BREAKS DOWN THE 2023 CYCLE TO SEPARATE FACT FROM FICTION. IT EXAMINES POPULAR AI TRENDS, THEIR REALISTIC CAPABILITIES, AND POTENTIAL PITFALLS. READERS WILL FIND PRACTICAL ADVICE ON ADOPTING AI WITHOUT FALLING VICTIM TO OVERHYPED PROMISES.

9. *STRATEGIC AI ADOPTION: LESSONS FROM THE 2023 HYPE CYCLE*

THIS BOOK OFFERS STRATEGIC FRAMEWORKS FOR ADOPTING AI TECHNOLOGIES BASED ON THEIR POSITION IN THE 2023 HYPE CYCLE. IT HELPS ORGANIZATIONS PRIORITIZE INVESTMENTS AND MANAGE EXPECTATIONS DURING THE DIFFERENT HYPE PHASES. THE TEXT INCLUDES LESSONS LEARNED FROM EARLY ADOPTERS AND INDUSTRY LEADERS.

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hype cycle for artificial intelligence 2023: *Understanding Artificial Intelligence* Ralf T. Kreutzer, 2024-12-11 This book on Artificial Intelligence (AI) explores its transformative potential for individuals and businesses. It covers AI basics and its applications across various industries, presenting AI as a foundational technology that will impact all aspects of life and the economy. The author emphasizes the need for responsible AI usage and introduces the concept of the AI Journey for businesses to leverage AI's potential. The second edition is updated with recent developments, including large language models like Aleph Alpha and ChatGPT, generative AI, affective computing, and ethical considerations. It also discusses open-source solutions, legal frameworks, and practical use cases. Recommended for leaders, decision-makers, students, professors, and anyone interested in understanding AI's future impact.

hype cycle for artificial intelligence 2023: *ServiceNow's Intelligent IT Service Management* Saaniya Chugh, 2025-09-02 !--StartFragment -- This book explores how ServiceNow's AI capabilities are reshaping IT Service Management by enabling smarter, faster, and more efficient service delivery. It provides a practical guide to leveraging features like Predictive Intelligence, Virtual Agents, and Now Assist to elevate traditional ITSM processes. Emphasizing the importance of strategic planning and thoughtful implementation, it equips organizations to drive intelligent automation and achieve a seamless AI-powered transformation. Designed as a practical guide for IT administrators and decision-makers, this book provides actionable strategies and insights—from understanding ServiceNow's AI-driven innovations to implementing a robust ITSM framework. With step-by-step instructions and real-world examples, it equips you with the skills and resources necessary to harness AI's full potential, drive operational excellence, and align your IT services with your organization's strategic goals in the digital era. You Will: Learn how !--StartFragment --ServiceNow's AI capabilities can transform IT Service Management (ITSM) and its key benefits. Study real-world case studies demonstrating AI's impact on IT service delivery. !--StartFragment --Explore insights to navigate challenges and ensure a seamless AI adoption journey on your ServiceNow platform!--EndFragment --. Who This Book is for: IT Service Management (ITSM) managers, IT Managers and IT Leaders

hype cycle for artificial intelligence 2023: Perspectives and Trends in Education and Technology António Abreu, João Vidal Carvalho, Anabela Mesquita, Agostinho Sousa Pinto, Marcelo Mendonça Teixeira, 2024-12-16 This book from the LNNS Series is composed of the best selected papers accepted for presentation and discussion at the 2024 International Conference in Information Technology & Education (ICITED'24). The ICITED is a multidisciplinary conference with a special focus on new Technologies and Systems in the Education sector and was held between July 11 and 13, 2024. The ICITED'24 was supported by the Pernambuco University, Recife, Brazil, and by IADITI—International Association for Digital Transformation and Technological Innovation. The International Conference in Information Technology & Education is an international forum for researchers and professionals in the education sector, which enables the discussion of the latest innovations, trends, and concerns in several areas, in the education sector, associated with information technologies and systems. It is an event for professionals in the sector, in search of technology solutions, where academics, IT experts, and business managers meet to discuss new ideas that help them maximize the potential of learning processes through technology. The ICITED'24 Scientific Committee is composed of a multidisciplinary group of 143 experts who

assessed some 262 papers from 26 countries, received for each of the main topics proposed for the conference. The papers accepted for presentation and discussion at the conference are published by Springer and will be submitted for indexing by ISI, SCOPUS, EI-Compendex, Google Scholar, and SpringerLink.

hype cycle for artificial intelligence 2023: *The Rise of Generative Artificial Intelligence* Nir Kshetri, 2024-12-09 This timely book explores how generative artificial intelligence (GAI) is developing and diffusing, highlighting the diverse impacts this technology is likely to have on economies and societies. It also examines the effects on and the responses of industries where GAI has been the most pervasive.

hype cycle for artificial intelligence 2023: *Humane Autonomous Technology* Rebekah Rousi, Catharina von Koskull, Virpi Roto, 2024-10-21 This open access book takes a human-focused multidisciplinary look at the ways in which autonomous technology shapes experience, affecting human lives and ways of working in settings ranging from the arts, design, and service to maritime and industry. The book focuses on the humane, observing how technology can be designed and implemented in an ethical, human-centered way. Chapters in this book highlight factors that impinge on the humane and ethical, such as challenging questions of intellectual property rights, roles of humans, biases, and the uptake of other deviant human traits. Through delving into a range of dimensions and contexts from culture, the arts and design, to service, heavy industry and maritime, the contributors demonstrate that artificial intelligence and its related autonomous systems need to be understood holistically, as a system of systems, that should be working for the benefit of human present and future.

hype cycle for artificial intelligence 2023: *Cybersecurity and Artificial Intelligence* Hamid Jahankhani, Gordon Bowen, Mhd Saeed Sharif, Osama Hussien, 2024-04-17 This book discusses a range of topics that are essential to understanding cyber security, including legal implications and technical aspects, cyber detection, and minimising the threats so that governments and organisations can function without noticeable degradation of service. Unlike other technological threats, cyber security threats have the potential to destroy governments and undermine democratic processes – which makes an overarching cyber security strategy essential for all functioning governments. Thus, the book serves as a guide for developing strategies and ideas in the field and as a motivator for other governments and interested parties to develop and implement effective strategies. Arguably the most difficult aspect of these strategies is their implementation, which will require a cultural sea change in governments' approaches to handling cyber security and developing a regulatory framework that links organisations and governments in a secure working environment. The development of cyber security strategies calls for new skills at the technical and user levels alike. However, IT skills are sometimes in short supply, and without a government policy on cyber security training, the lack of these skills could hamper the full potential of cyber security. The book explores various aspects and challenges of cyber security strategy and highlights the benefits and drawbacks, offering in-depth insights into the field.

hype cycle for artificial intelligence 2023: *Beyond Tomorrow—New Age People Processes* Dr. Meenakshi Khemka, 2024-03-30 Gen Z. Workplace Spirituality. Talent Acquisition. Remote Working. Leadership. Artificial Intelligence. Career Management This book is a ready reckoner for theoretical and practical guidance on the above-mentioned topics and many more. It aims to give a holistic perspective on issues surrounding the current and incoming era characterized by changing workforce demographics, hybrid working, technological upgradation, the interplay between each of these variables and the challenges involved. A wonderful combination of experience sharing, best practices, and theoretical framework; this book is a must have for anyone wanting to deeply understand the nuances of the changing times.

hype cycle for artificial intelligence 2023: *The World Remade by Artificial Intelligence* Shalini S. Gopalkrishnan, Joaquin Jay Gonzalez III, 2025-04-28 Artificial intelligence is reshaping every facet of human existence, from business and education to creativity and governance. As AI systems become more powerful, they raise urgent questions about ethics, decision-making, and the

future of human agency. This book explores how AI is transforming industries and society, offering a balanced perspective on both its immense potential and its risks. Collecting case studies and expert insights, it examines the impact of generative AI, automation, and machine learning on employment, creativity, and global economies. They also address critical concerns such as bias, misinformation, and the evolving role of AI in governance and daily life. Designed for business leaders, policymakers, educators, and general readers, this work represents a roadmap for navigating an AI-driven world. It offers clear explanations, thought-provoking analysis, and a vision for a future where AI and humanity coexist in a rapidly changing landscape.

hype cycle for artificial intelligence 2023: Trends in the Transformation Economy

Christophe Jauquet, 2024-05-14 Why are we focused on transforming ourselves, society and the planet? What deeper human needs drive these transformations? How do you turn products and services into Customer Transformations? Trends in the Transformation Economy showcases various industry trends, shaping a world that's not just better but also healthier and happier. In this enlightening book, Christophe expands upon his visionary Healthusiasm principles to unveil a groundbreaking frontier in value creation: Customer Transformations. Prepare to embark on a journey that champions a profound shift towards experiences that genuinely uplift well-being, happiness, and health, aligning with your customers' deepest needs, their Life Aspirations This book compellingly advocates for a future where personal aspirations transform the health/care ecosystem and people's everyday lives, from their kitchens to their cars, mindsets and bank accounts. - Jane Sarasohn-Kahn, Health Economist, Advisor, Trend Weaver The book offers a compelling look at how personal human drivers can shape transformational experiences. A valuable read for any business leader. - Anonymous, CEO and board member at an insurances company There is value for every purposeful organisation, leader or entrepreneur seeking to tune into our fundamental yearning for health and happiness. This book is proof of that. - Mo Zouina, Holistic brand experience challenger. Co-founder Relieve Clinics/BeNorm Only one human truth truly matters: people want to live a healthy and happy life. This book contains refreshing models and inspiring examples demonstrating how marketers can respond to these deeper needs. - Kris Michiels, President of Belgian Association of Marketing Trends in the Transformation Economy brings together the intersection of consumer empowerment, technology, healthcare and wellness in a stimulating and practical way. Thoroughly thought-provoking and a must-read! - Nathalie Bloom, Global Patient Engagement and Innovation, Amgen, Reckitt, Unilever A must-read to make your health and self-care business thrive in the Transformation Economy. Geert Reyniers, CEO at Multipharma, former VP Digital Health at Novo Nordisk

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