



Artificial Intelligence

Philip C. Jackson



Artificial Intelligence:

Artificial Intelligence Jerry Kaplan, 2016 Over the coming decades Artificial Intelligence will profoundly impact the way we live work wage war play seek a mate educate our young and care for our elderly It is likely to greatly increase our aggregate wealth but it will also upend our labor markets reshuffle our social order and strain our private and public institutions Eventually it may alter how we see our place in the universe as machines pursue goals independent of their creators and outperform us in domains previously believed to be the sole dominion of humans Whether we regard them as conscious or unwitting revere them as a new form of life or dismiss them as mere clever appliances is beside the point They are likely to play an increasingly critical and intimate role in many aspects of our lives The emergence of systems capable of independent reasoning and action raises serious questions about just whose interests they are permitted to serve and what limits our society should place on their creation and use Deep ethical questions that have bedeviled philosophers for ages will suddenly arrive on the steps of our courthouses Can a machine be held accountable for its actions Should intelligent systems enjoy independent rights and responsibilities or are they simple property Who should be held responsible when a self driving car kills a pedestrian Can your personal robot hold your place in line or be compelled to testify against you If it turns out to be possible to upload your mind into a machine is that still you The answers may surprise you *Artificial Intelligence* Melanie Mitchell, 2019-10-15 After reading Mitchell's guide you'll know what you don't know and what other people don't know even though they claim to know it And that's invaluable The New York Times A leading computer scientist brings human sense to the AI bubble No recent scientific enterprise has proved as alluring terrifying and filled with extravagant promise and frustrating setbacks as artificial intelligence The award winning author Melanie Mitchell a leading computer scientist now reveals AI's turbulent history and the recent spate of apparent successes grand hopes and emerging fears surrounding it In *Artificial Intelligence* Mitchell turns to the most urgent questions concerning AI today How intelligent really are the best AI programs How do they work What can they actually do and when do they fail How humanlike do we expect them to become and how soon do we need to worry about them surpassing us Along the way she introduces the dominant models of modern AI and machine learning describing cutting edge AI programs their human inventors and the historical lines of thought underpinning recent achievements She meets with fellow experts such as Douglas Hofstadter the cognitive scientist and Pulitzer Prize winning author of the modern classic *Gödel Escher Bach* who explains why he is terrified about the future of AI She explores the profound disconnect between the hype and the actual achievements in AI providing a clear sense of what the field has accomplished and how much further it has to go Interweaving stories about the science of AI and the people behind it *Artificial Intelligence* brims with clear sighted captivating and accessible accounts of the most interesting and provocative modern work in the field flavored with Mitchell's humor and personal observations This frank lively book is an indispensable guide to understanding today's AI its quest for human level intelligence and its impact on the

future for us all Artificial Intelligence Basics Tom Taulli, 2019-08-01 Artificial intelligence touches nearly every part of your day While you may initially assume that technology such as smart speakers and digital assistants are the extent of it AI has in fact rapidly become a general purpose technology reverberating across industries including transportation healthcare financial services and many more In our modern era an understanding of AI and its possibilities for your organization is essential for growth and success Artificial Intelligence Basics has arrived to equip you with a fundamental timely grasp of AI and its impact Author Tom Taulli provides an engaging non technical introduction to important concepts such as machine learning deep learning natural language processing NLP robotics and more In addition to guiding you through real world case studies and practical implementation steps Taulli uses his expertise to expand on the bigger questions that surround AI These include societal trends ethics and future impact AI will have on world governments company structures and daily life Google Amazon Facebook and similar tech giants are far from the only organizations on which artificial intelligence has had and will continue to have an incredibly significant result AI is the present and the future of your business as well as your home life Strengthening your prowess on the subject will prove invaluable to your preparation for the future of tech and Artificial Intelligence Basics is the indispensable guide that you've been seeking What You Will Learn Study the core principles for AI approaches such as machine learning deep learning and NLP Natural Language Processing Discover the best practices to successfully implement AI by examining case studies including Uber Facebook Waymo UiPath and Stitch Fix Understand how AI capabilities for robots can improve business Deploy chatbots and Robotic Processing Automation RPA to save costs and improve customer service Avoid costly gotchas Recognize ethical concerns and other risk factors of using artificial intelligence Examine the secular trends and how they may impact your business Who This Book Is For Readers without a technical background such as managers looking to understand AI to evaluate solutions **Artificial Intelligence** Daniel Schutzer, 1987 The Quest for Artificial Intelligence Nils J. Nilsson, 2009-10-30 Artificial intelligence AI is a field within computer science that is attempting to build enhanced intelligence into computer systems This book traces the history of the subject from the early dreams of eighteenth century and earlier pioneers to the more successful work of today's AI engineers AI is becoming more and more a part of everyone's life The technology is already embedded in face recognizing cameras speech recognition software Internet search engines and health care robots among other applications The book's many diagrams and easy to understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work Its thorough but unobtrusive end of chapter notes containing citations to important source materials will be of great use to AI scholars and researchers This book promises to be the definitive history of a field that has captivated the imaginations of scientists philosophers and writers for centuries **Introduction to Artificial Intelligence** Simplilearn, 2020-12-14 This AI beginner's guide aims to take the readers through the current AI landscape provides the key fundamentals and terminologies of AI and offers practical guidelines on why and how you can be a part of

the AI revolution and also the ways in which you can scale up your AI career **Artificial Intelligence** Margaret A. Boden, 2018-08-13 The applications of Artificial Intelligence lie all around us in our homes schools and offices in our cinemas in art galleries and not least on the Internet The results of Artificial Intelligence have been invaluable to biologists psychologists and linguists in helping to understand the processes of memory learning and language from a fresh angle As a concept Artificial Intelligence has fuelled and sharpened the philosophical debates concerning the nature of the mind intelligence and the uniqueness of human beings In this Very Short Introduction Margaret A Boden reviews the philosophical and technological challenges raised by Artificial Intelligence considering whether programs could ever be really intelligent creative or even conscious and shows how the pursuit of Artificial Intelligence has helped us to appreciate how human and animal minds are possible ABOUT THE SERIES The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area These pocket sized books are the perfect way to get ahead in a new subject quickly Our expert authors combine facts analysis perspective new ideas and enthusiasm to make interesting and challenging topics highly readable The Atlas of AI Kate Crawford, 2021-04-06 The hidden costs of artificial intelligence from natural resources and labor to privacy and freedom What happens when artificial intelligence saturates political life and depletes the planet How is AI shaping our understanding of ourselves and our societies In this book Kate Crawford reveals how this planetary network is fueling a shift toward undemocratic governance and increased inequality Drawing on more than a decade of research award winning science and technology Crawford reveals how AI is a technology of extraction from the energy and minerals needed to build and sustain its infrastructure to the exploited workers behind automated services to the data AI collects from us Rather than taking a narrow focus on code and algorithms Crawford offers us a political and a material perspective on what it takes to make artificial intelligence and where it goes wrong While technical systems present a veneer of objectivity they are always systems of power This is an urgent account of what is at stake as technology companies use artificial intelligence to reshape the world *Introduction to Artificial Intelligence* Philip C. Jackson, 2013-02-19 Comprehensive survey of artificial intelligence the study of how computers can be made to act intelligently Includes introductory and advanced material Extensive notes updating the main text 132 illustrations *Artificial Intelligence* Nils J. Nilsson, 1998 This new book by one of the most respected researchers in Artificial Intelligence features a radical new evolutionary organization that begins with low level intelligent behavior and develops complex intelligence as the book progresses

The Enigmatic Realm of **Artificial Intelligence**: Unleashing the Language is Inner Magic

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