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Resource Guide: Introduction to Artificial Intelligence

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Table of Contents

Table of Contents 2

Getting a Library Card 3

Requesting Material Using This Digital Document..... 3

Reading List..... 4

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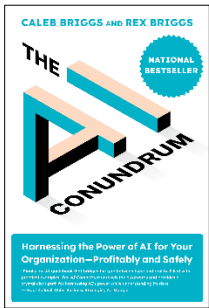
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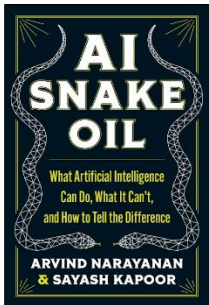
Reading List



The AI Conundrum: Harnessing the Power of AI for Your Organization - Profitably and Safely

Caleb Briggs, Rex Briggs (The MIT Press)

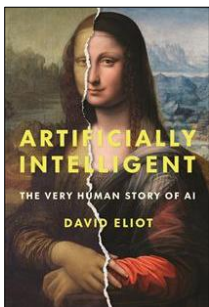
Artificial intelligence can recognize a pattern from any set of data it is given, which is what makes it such an extraordinarily powerful tool. But because not all patterns are authentic or reliable, AI's pattern-finding superpower can lead to false patterns—and to disastrous results for business and government entities that rely on them. Targeting the businessperson who needs to know how to use AI profitably and responsibly, Caleb Briggs and Rex Briggs offer this foundational understanding of AI for easy implementation.



AI Snake Oil: What Artificial Intelligence Can Do, What It Can't, and How to Tell the Difference

Arvind Narayanan, Sayash Kapoor (Princeton University Press)

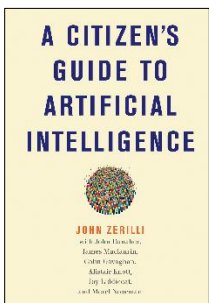
In *AI Snake Oil*, computer scientists Arvind Narayanan and Sayash Kapoor cut through the confusion surrounding AI to provide an essential understanding of how AI works, why it often does not, where it might be useful or harmful, and when you should be suspicious. This book explains the crucial differences between types of AI, why organizations are falling for AI snake oil, and why we should be far more worried about what people will do with AI than about anything AI will do on its own.



Artificially Intelligent: The Very Human Story of AI

David Eliot (Aevo, University of Toronto Press)

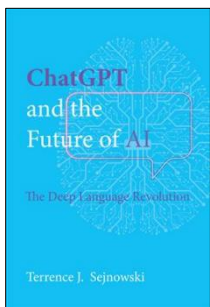
Artificially Intelligent answers today's most pressing questions about AI – from the fundamental to the futuristic – offering readers a new, informed worldview. AI researcher, David Eliot, takes readers on a journey through the key moments and decisions that have shaped the creation of AI and our world. Written as a socially driven history, this book explores the technical breakthroughs of AI and the social forces that made them possible.



A Citizen's Guide to Artificial Intelligence

John Zerilli et al. (The MIT Press)

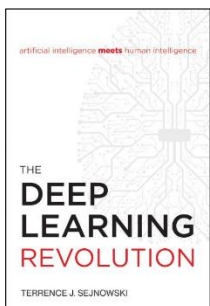
A concise but informative overview of AI ethics and policy. This book offers a short overview of moral, political, legal, and economic implications of AI. It covers the basics of AI's latest permutation, machine learning, and considers issues including transparency, bias, liability, privacy, and regulation.



ChatGPT and the Future of AI: The Deep Language Revolution

Terrence J. Sejnowski (The MIT Press)

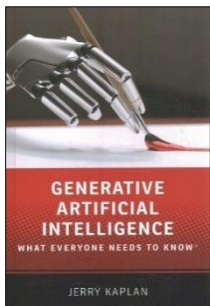
In *ChatGPT and the Future of AI*, the sequel to *The Deep Learning Revolution*, Terrence Sejnowski offers a nuanced exploration of large language models (LLMs) like ChatGPT and what their future holds. Grounded in Sejnowski's dual expertise in AI and neuroscience, *ChatGPT and the Future of AI* is the definitive guide to understanding the intersection of AI and human intelligence--how we got here, where we are headed, and what it all means for how we interact with the world.



The Deep Learning Revolution: Artificial Intelligence Meets Human Intelligence

Terrence J. Sejnowski (The MIT Press)

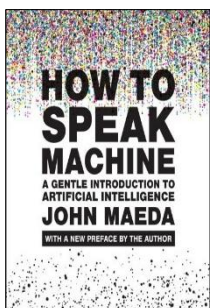
The deep learning revolution has brought us driverless cars, the improved Google translate, fluent conversations with Siri and Alexa, and enormous profits from automated trading on the New York Stock Exchange. In this book, Terry Sejnowski explains how deep learning went from being an arcane academic field to a disruptive technology in the information economy and makes bold claims about where we could find ourselves next.



Generative Artificial Intelligence: What Everyone Needs to Know

Jerry Kaplan (Oxford University Press)

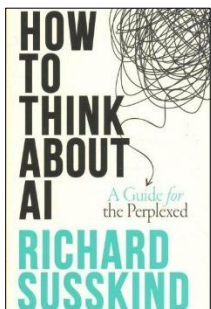
Recent advances in Generative AI have led to powerful systems capable of performing diverse tasks by analyzing vast digital datasets. While these tools promise breakthroughs in science, art, and knowledge, they also introduce new risks. This book explores AI's impact through historical, legal, economic, political and philosophical lenses, helping readers navigate the flood of AI-related news and claims. It also demystifies complex topics like large language models and jailbreaking in clear, accessible language.



How to Speak Machine: A Gentle Introduction to Artificial Intelligence

John Maeda (The MIT Press)

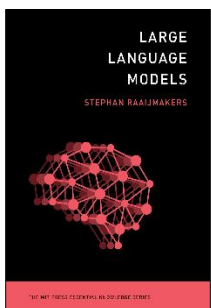
A simple, enduring framework for understanding the complex world of AI and machine learning—updated with a new preface. As the capabilities of AI and language models like ChatGPT continue to advance, it is more important than ever to understand the implications and potential pitfalls of these technologies. *How to Speak Machine* provides actionable guidance for businesses, product designers, and policymakers. Using thoughtful explorations and examples, the author identifies a framework that describes the key capabilities and pitfalls of any machine learning system, and offers a vision for how they can be used to create inclusive and world-changing products.



How to Think About AI: A Guide for the Perplexed

Richard Susskind (Oxford University Press)

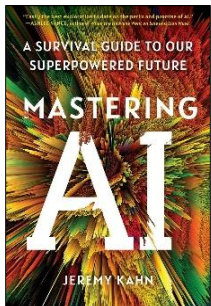
Susskind tells the unfolding story of AI, explaining what it does and how it has evolved, offering unconventional views on its ups and downs. He suggests that the main error we make in thinking about AI is anthropomorphizing, that is, evaluating and discussing current and future AI systems by reference to humans. Revealing the unfolding story of AI, Susskind presents a non-technical guide that challenges us to think differently about AI by bringing it out of computing laboratories and big tech companies and into everyday life.



Large Language Models

Stephan Raaijmakers (The MIT Press Essential Knowledge Series, MIT Press)

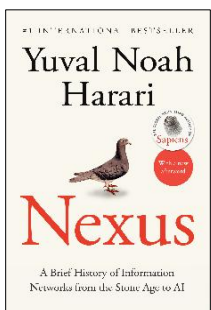
Author Stephan Raaijmakers provides a comprehensive introduction to Large Language Models (LLMs), describing their capabilities from a technical and creative standpoint. This concise volume covers everything from the architecture of LLM neural networks, to the limitations of LLMs, to how our governments can regulate this technology. In explaining how exactly LLMs learn from data sets, Raaijmakers challenges the more sensational arguments we may be familiar with and offers a more grounded approach to how this form of artificial intelligence will shape our society for years to come.



Mastering AI: A Survival Guide to Our Superpowered Future

Jeremy Kahn (Simon & Schuster)

A Fortune magazine journalist draws on his expertise and extensive contacts among the companies and scientists at the forefront of artificial intelligence. They offer dramatic predictions of AI's impact over the next decade, from reshaping our economy and the way we work, learn, and create to unknitting our social fabric, jeopardizing our democracy, and fundamentally altering the way we think. *Mastering AI* delivers much-needed guidance for anyone eager to understand the AI boom—and what comes next.



Nexus: A Brief History of Information Networks from the Stone Age to AI

Yuval Noah Harari (McClelland & Stewart)

Nexus looks through the long lens of human history to consider how the flow of information has shaped us, and our world. Taking us from the Stone Age, through the canonization of the Bible, early modern witch-hunts, Stalinism, Nazism, and the resurgence of populism today, Yuval Noah Harari asks us to consider the complex relationship between information and truth, bureaucracy and mythology, wisdom, and power. He explores how different societies and political systems throughout history have wielded information to achieve their goals, for good and ill, and he addresses the urgent choices we face as non-human intelligence threatens our very existence.