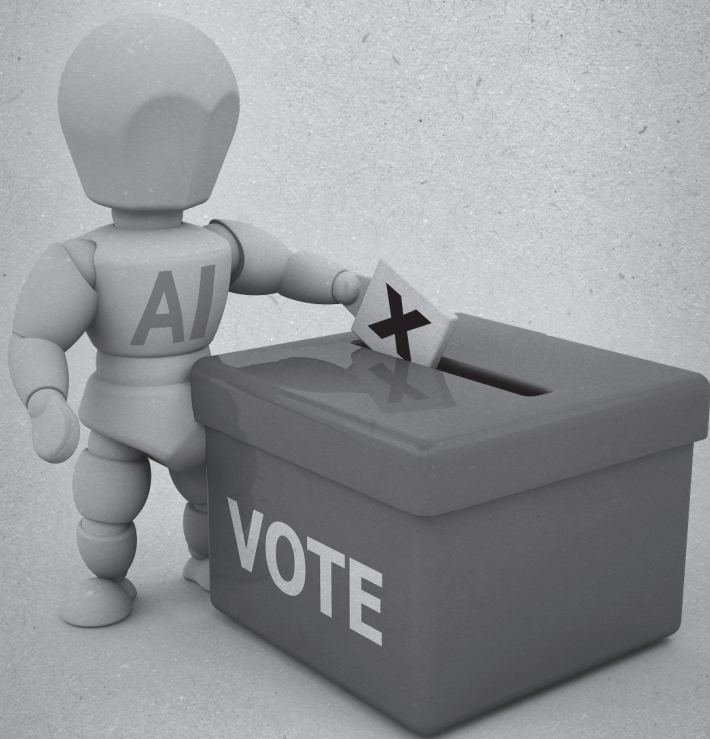


AI AND ELECTION INTEGRITY: A BIBLIOGRAPHY

September 10, 2024



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TABLE OF CONTENTS

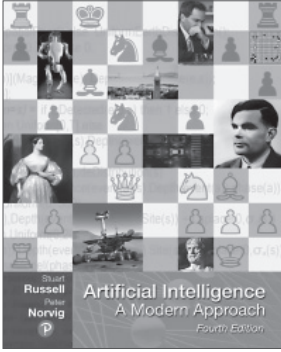
Introduction to AI.....	2
AI and Election Integrity.....	6
Resources for Senior Citizens.....	8



This bibliography was created by Lakewood Public Library for distribution on September 10, 2024, at *Disinformation, AI & Elections: How to Separate Fact From Fiction in 2024*, a program presented by the Lakewood League of Women Voters in partnership with Lakewood Public Library, and cosponsored by the West Side Chapters of the League of Women Voters: Bay Village, Fairview Park, Rocky River, and Westlake/North Olmsted.

This document is in no way a comprehensive bibliography of available resources addressing misinformation and election integrity, nor is it a list of recommended reading. Rather, this bibliography is a survey of just some of the resources available.

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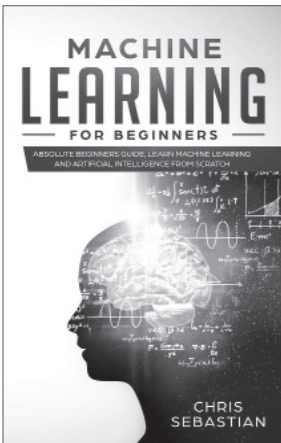


Artificial Intelligence: A Modern Approach

**by Stuart Russell and Peter Norvig
(4th Edition, Pearson, 2020)**

This book on artificial intelligence has been considered by many as one of the best AI books for beginners. It is less technical and gives an overview of the various topics revolving around AI. The writing is simple, and the reader can easily understand all concepts and explanations.

The concepts covered include subjects such as search algorithms, game theory, multi-agent systems, statistical natural language processing, local search planning methods, etc. The book also touches upon advanced AI topics without going in-depth. Overall, it's a must-have book for anyone who wants to learn about AI.

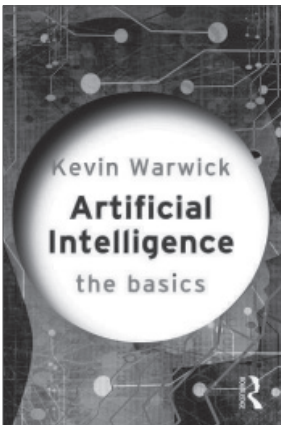


Machine Learning for Beginners: Absolute Beginners Guide, Learn Machine Learning and Artificial Intelligence from Scratch

by Chris Sebastian (Python, 2019)

This title is meant for absolute beginners. It traces the history of the early days of machine learning to what it has become today. It describes how big data is important for machine learning and how programmers use it to develop learning algorithms.

This book provides simple examples for the reader to understand the complexities underlying machine learning. It also provides real-world scenarios of how machine learning algorithms can improve our lives.

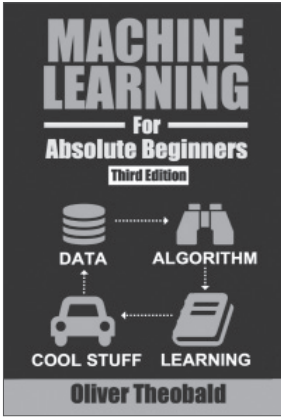


Artificial Intelligence: The Basics

by Kevin Warwick (Routledge, 2012)

This book provides a basic overview of different AI aspects and the various methods of implementing them. It explores the history of AI, its present, and where it will be in the future. The book has interesting depictions of modern AI technology and robotics. It also gives recommendations for other books that have more details about a particular concept.

The book is a quick read for anyone interested in AI. It explores issues at the heart of the subject and provides an illuminating experience for the reader.

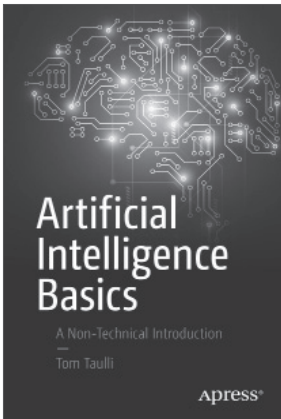


Machine Learning for Absolute Beginners: A Plain English Introduction

by Oliver Theobald
(3rd Edition, Senage Publishing, 2024)

One of the few artificial intelligence books that explain the various theoretical and practical aspects of machine learning techniques very simply. It makes use of plain English to prevent beginners from being overwhelmed by technical jargon. It has clear and accessible explanations with visual examples for the various algorithms.

Apart from learning the technology itself for business applications, there are other aspects of AI that enthusiasts should know about, including philosophical, sociological, ethical, humanitarian, and other concepts.

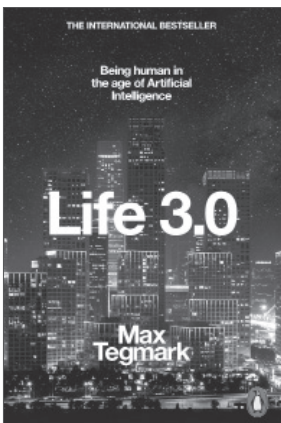


Artificial Intelligence Basics: A Non-Technical Introduction

by Tom Taulli (Apress, 2019)

This is a great book for beginners without a technical background. It focuses on teaching readers about how AI works in society and its impact. From its creation to current developments, the author addresses how AI technology is used across industries.

This book also tackles common AI questions: how it affects societal trends, the future impact it can have, the ethics around using certain kinds of AI, and more.

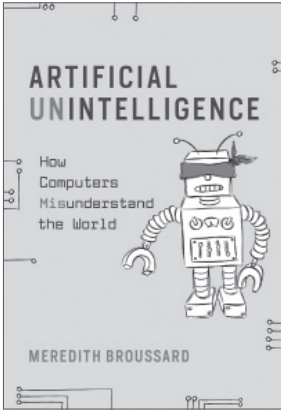


Life 3.0: Being Human in the Age of Artificial Intelligence

by Max Tegmark (EFFINITO, 2022)

How does the use of AI in society change what it means to be human? This book, written by an MIT professor, grapples with the big societal questions of AI. How can we continue to streamline automation and AI processes without leaving people jobless or lacking income? Will machines eventually outsmart humans and take over the job market?

This book focuses less on the what and how of AI and more on the why and what it means. It empowers people to join the AI conversation and understand what technological advances the future may bring.

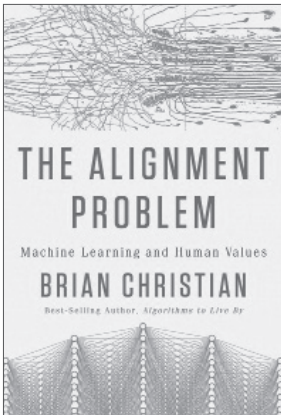


Artificial Unintelligence: How Computers Misunderstand the World

by Meredith Broussard (The MIT Press, 2019)

This author argues that our collective enthusiasm for applying computer technology to every aspect of life has resulted in a tremendous number of poorly designed systems. We are so eager to do everything digitally—hiring, driving, paying bills, even choosing romantic partners—that we have stopped demanding that our technology actually work.

If we understand the limits of what we can do with technology the author tells us, we can make better choices about what we should do with it to make the world better for everyone. This title will likely be considered a classic in the field of AI.

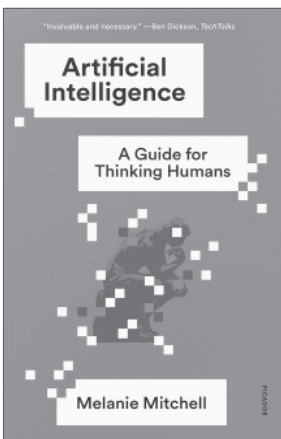


The Alignment Problem: Machine Learning and Human Values

by Brian Christian (Atlantic Books, 2021)

The problem with AI isn't that it's going to end the world, Christian says. The problem is determining how to "align" machine behavior with human values.

To align machines with human values, we have to know what human values are. While the author is hopeful — this is a book that celebrates AI as a victory for scientific progress and doubles as a manifesto for AI safety — he is also realistic. "Alignment will be messy," Cristian concludes. "How could it be otherwise?"



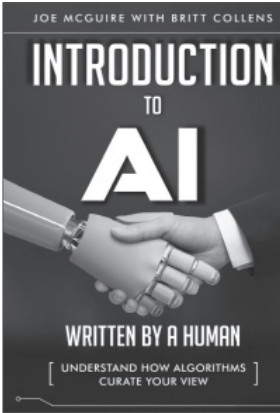
Artificial Intelligence: A Guide for Thinking Humans

by Melanie Mitchell (Picador Paper, 2020)

Mitchell, a professor at the Santa Fe Institute, is a longtime specialist in computer science and complex systems.

In her book, this author book provides the necessary history—chronological and detailed—of the development of AI, from the 1950s to present. She answers essential questions about artificial intelligence simply and eloquently.

"The field of A.I. is in turmoil," Mitchell writes. "Either a huge amount of progress has been made, or almost none at all. Either we are within spitting distance of 'true' AI, or it is centuries away." No doubt, this book takes a very serious approach to AI and all that it entails.

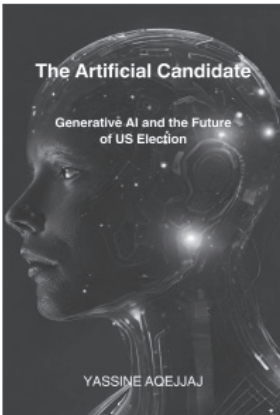


Introduction to AI: Written by a Human: Understand How Algorithms Curate Your View

**by Joe McGuire and Britt Collens
(DTS Publishing, 2023)**

This title helps the reader understand how algorithms and social media affect our lives. Knowledge is power, and knowing how artificial intelligence is connected to our digital life will help us better manage what we choose to share online.

The authors discuss how big data and content curation exposes you to a world view in line with your confirmation bias; what you can do to limit the amount of information you are giving away about yourself on social media platforms; and the challenge of teaching our youth in a constantly changing world.

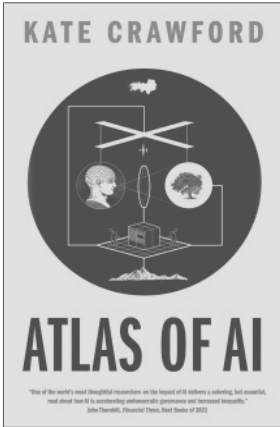


The Artificial Candidate: Generative AI and the Future of US Election

by Yassine Aqejjaj (Independently published, 2023)

This title is a compelling exploration of how AI is revolutionizing political campaigns and elections. This essential read navigates the promise and perils of AI in politics, from deepfakes to data-driven campaigning, presenting a nuanced view of this double-edged technology.

The author offers a critical look at AI's potential to both enhance democratic engagement and threaten electoral integrity, making a powerful case for informed use and rigorous ethical oversight. A must-read for anyone concerned with the future of democracy in the digital age.



Atlas of AI: Power, Politics, and the Planetary Costs of Artificial Intelligence

by Kate Crawford (Yale University Press, 2022)

What happens when artificial intelligence saturates political life? How is AI shaping our understanding of ourselves and our societies? Drawing on more than a decade of research, award-winning scholar Kate Crawford reveals what AI is and what it can do.

Rather than taking a narrow focus on code and algorithms, Crawford offers a human and a political perspective on AI. This is an urgent account of what is at stake as technology companies use artificial intelligence to reshape the world.

“This study argues that artificial intelligence is neither artificial nor particularly intelligent. A fascinating history of the data on which machine-learning systems are trained.”—*New Yorker*

“Crawford argues passionately that while AI is presented as disembodied, objective and inevitable, it is material, biased and subject to our own outlooks and ideologies.”—*David A. Shaywitz, Wall Street Journal*

“Exposes the dark side of AI’s success. Meticulously researched and superbly written.”
—*Virginia Dignum, Nature*



The AI Election: How Artificial Intelligence is Reshaping American Democracy

by B. D. Wunsch (Independently published, 2023)

This groundbreaking title reveals the most transformative force in modern politics: AI. Whether you’re a concerned voter, an ambitious politician, or a curious technologist, this book is your guide to the AI revolution in politics.

Discover how AI is reshaping campaign strategies that target YOU with unprecedented precision, voting systems that have the promise of making fraud a thing of the past, and the very nature of democracy as we know it.

This book offers practical advice for citizens to navigate this new political landscape. Don’t let algorithms decide your future. Arm yourself with knowledge.

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***How AI Puts Elections at Risk —
And the Needed Safeguards***

by Mekela Panditharatne and Noah Giansiracusa
(Brennan Center for Justice, 2023)

The authors of this his article urge that widely accessible artificial intelligence tools could fuel the rampant spread of disinformation and create other hazards to democracy. This article offers an intelligent, helpful, thoughtful response to the pressing problem of AI and election integrity.

Available online at www.brennancenter.org/our-work/analysis-opinion/how-ai-puts-elections-risk-and-needed-safeguards

 **PBS
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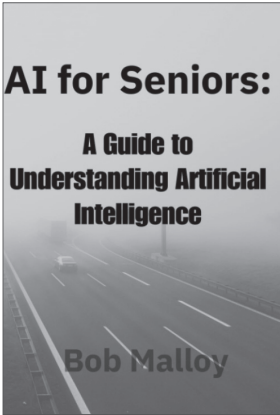
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***How AI-Generated Misinformation
Threatens Election Integrity***

by Laura Barrón-López and Shrai Popat
(PBS News Hour, February 13, 2024)

From robocalls to deep fakes, artificial intelligence is already playing a role in the 2024 election. Recently, the Federal Communications Commission made AI-generated voice calls illegal. In this educational video, PBS's Laura Barrón-López covers AI's impact on the upcoming elections.

Available online at www.pbs.org/newshour/show/how-ai-generated-misinformation-threatens-election-integrity



AI for Seniors: A Guide to Understanding Artificial Intelligence

by Bob Malloy
(Large print. Independently published, 2023)

AI for Seniors is a broad introduction to artificial intelligence and how it intersects with senior citizens. The book starts with the beginning of AI and brings it through to today. Also included are AI devices and how they enhance daily life for all persons but specifically senior citizens. The book speaks to AI in health care diagnosis and treatments as well as privacy and ethical considerations.

The primary focus of the book is the benefits, challenges and advantages of AI for the senior population. The book then discusses the future of AI with potential challenges and opportunities as well as how the senior might prepare themselves to take advantage of the new technology.

This is a helpful book for senior citizen and their family members.



8 Things to Know About Election Disinformation in the Age of AI

by Edward C. Baig (AARP Online, April 3, 2024)

A very helpful, instructive and practical guide to AI and election integrity, and what seniors should know and what they should do. Another great resource for seniors from AARP.

Available online at www.aarp.org/politics-society/government-elections/info-2024/ai-election-disinformation.html



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