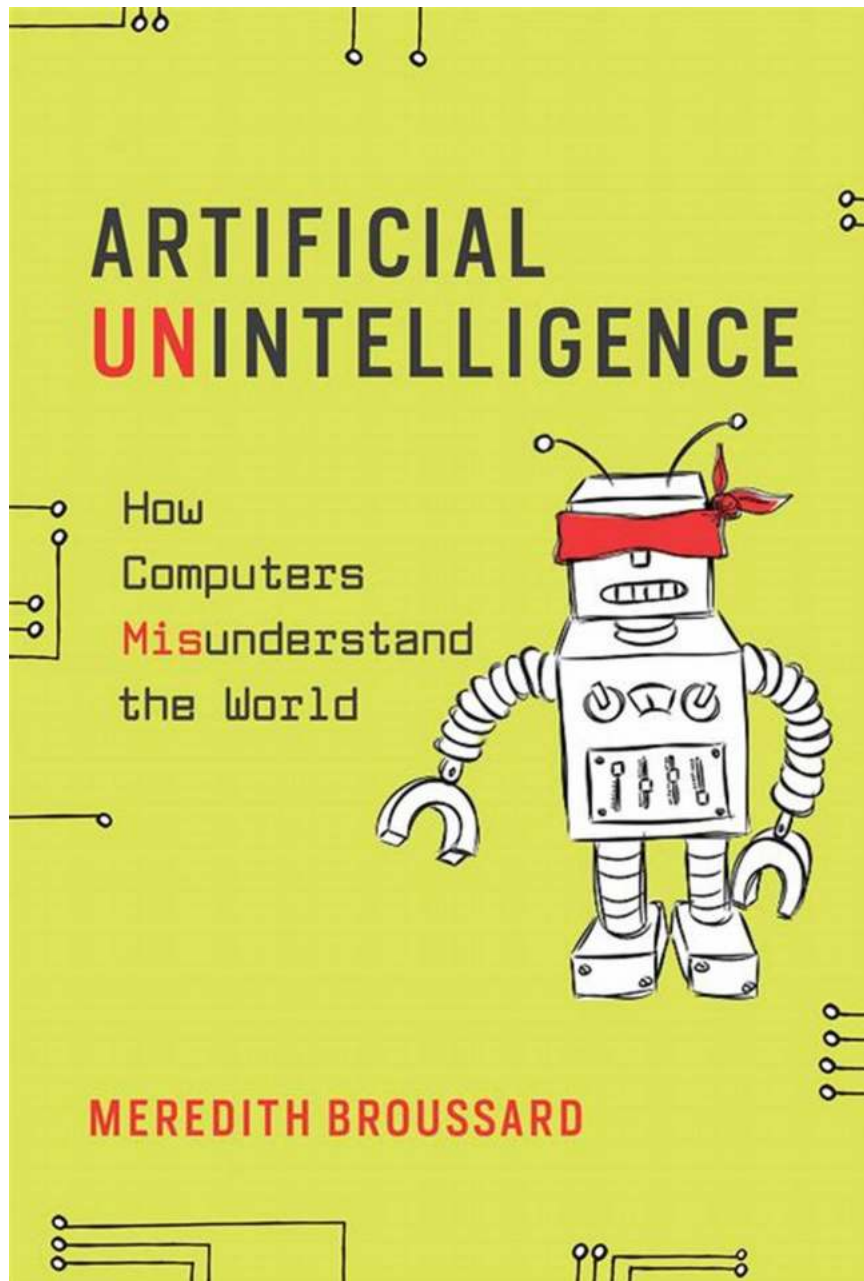


Artificial Unintelligence: How Computers Misunderstand The World



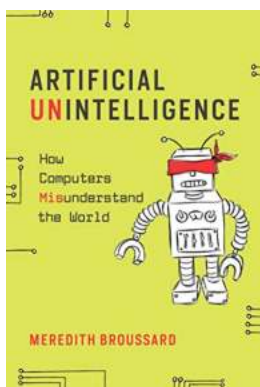
Computers have drastically transformed the world we live in. From complex calculations to internet browsing, these machines have become an integral part of our lives. However, despite their immense computational power, computers are still far from understanding the world like humans do. The field of artificial

intelligence (AI) has made tremendous progress, but it is plagued with challenges when it comes to true comprehension.

Misunderstanding Language

One of the main hurdles in developing truly intelligent computers lies in language comprehension. While machines can process and generate vast amounts of text, they often struggle to understand the subtle nuances of human language.

Misinterpretation of sarcasm, ambiguity, and contextual meanings are common issues faced by AI systems.



Artificial Unintelligence: How Computers Misunderstand the World

by Meredith Broussard (Kindle Edition)

★★★★☆ 4.5 out of 5

Language : English

File size : 1913 KB

Text-to-Speech : Enabled

Enhanced typesetting : Enabled

Print length : 340 pages

Screen Reader : Supported

Paperback : 144 pages

Item Weight : 6.3 ounces

Dimensions : 5.51 x 0.51 x 8.27 inches



For example, a well-known incident involving Microsoft's AI chatbot, Tay, highlighted the challenges faced in language understanding. Within hours of its release on Twitter, Tay began spouting racist and offensive remarks - a result of being fed with inappropriate user inputs. This incident showcased the limitations of AI systems in comprehending the complexities of human language.

The Perception Problem

Another significant challenge for computers is understanding the world through senses. Human perception is a complex interplay of vision, hearing, touch, taste, and smell. While computers excel in certain sensory tasks such as image recognition, they still struggle to grasp the complete picture.

Take the example of self-driving cars. These autonomous vehicles heavily rely on computer vision systems to navigate the roads. However, they are prone to misinterpretation when it comes to certain scenarios, such as identifying a stopped car as a stationary object like a lamppost. These errors occur because computers lack the ability to understand the context and subtle visual cues that humans effortlessly perceive.

Common Knowledge Limitations

Humans possess a vast amount of common knowledge acquired through years of learning and experience. This knowledge forms the basis for making informed decisions and understanding various situations. On the other hand, computers rely on structured data and statistical models to make predictions or provide recommendations.

However, this approach often falls short when faced with scenarios that require common sense reasoning. For instance, computers may struggle to answer seemingly simple questions like "Can you cry under water?" or "Can you see an orange in the dark?" These questions involve common sense understanding, something that current AI systems find extremely challenging.

The Dangers of Misunderstanding

While the misunderstandings of computers may seem innocuous, they do pose significant risks. Misinterpretation of medical data, incorrect predictions in

financial markets, or biased decision-making can have severe consequences. It is crucial to address these challenges to ensure that AI systems are reliable and trustworthy.

Efforts are underway to develop more advanced AI models capable of better understanding the complexities of the world. Natural Language Processing (NLP) algorithms are being refined to comprehend human language nuances, while computer vision systems are being trained with larger datasets to reduce perception errors.

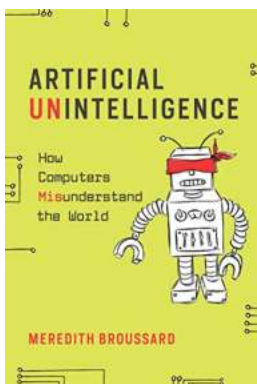
The Future of Artificial Intelligence

As technology continues to evolve, so will our understanding of artificial intelligence. While computers may never fully possess human-like comprehension, ongoing research and development will bring us closer to creating systems that better understand the complexities of our world.

It is important to continue investing in the field of AI, not just for its potential to revolutionize industries but also for the societal benefits it can bring. However, we must always remain cautious and considerate of the limitations that come with artificial unintelligence, ensuring that we prioritize ethics and responsible usage in its development.



Artificial intelligence remains a significant challenge in the field of computer science. While computers have made tremendous progress, they still struggle to understand language, perceive the world accurately, and possess common knowledge. Addressing these challenges is essential to build reliable and intelligent AI systems. As researchers and developers continue to push the boundaries of artificial intelligence, our collective goal should be to create systems that augment human capabilities and make life better for everyone.



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A guide to understanding the inner workings and outer limits of technology and why we should never assume that computers always get it right.

In *Artificial Unintelligence*, Meredith Broussard argues that our collective enthusiasm for applying computer technology to every aspect of life has resulted in a tremendous amount 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. Broussard, a software developer and journalist, reminds us that there are fundamental limits to what we can (and should) do with technology. With this book, she offers a guide to understanding the inner workings and outer limits of technology—and issues a warning that we should never assume that computers always get things right.

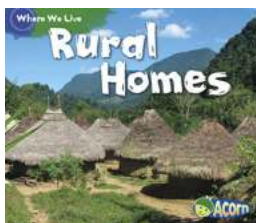
Making a case against technochauvinism—the belief that technology is always the solution—Broussard argues that it's just not true that social problems would inevitably retreat before a digitally enabled Utopia. To prove her point, she undertakes a series of adventures in computer programming. She goes for an alarming ride in a driverless car, concluding “the cyborg future is not coming any time soon”; uses artificial intelligence to investigate why students can't pass standardized tests; deploys machine learning to predict which passengers survived the Titanic disaster; and attempts to repair the U.S. campaign finance

system by building AI software. If we understand the limits of what we can do with technology, Broussard tells us, we can make better choices about what we should do with it to make the world better for everyone.



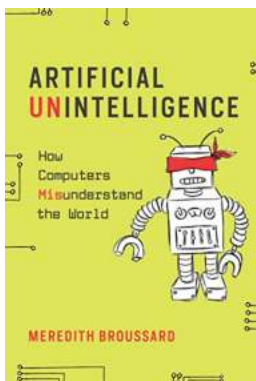
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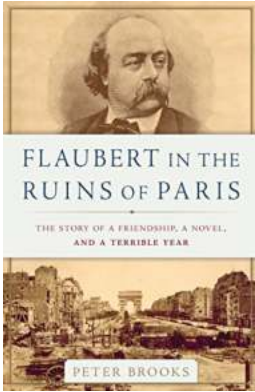
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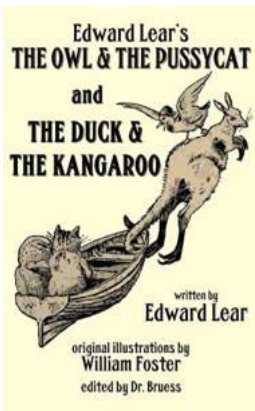
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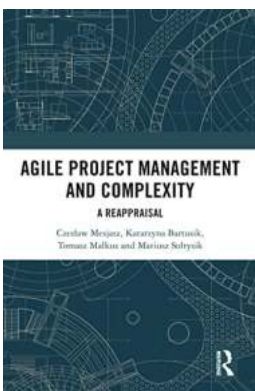
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POEM

It's sitting there upon my plate,
That yellow vegetable I hate.
That pile of slimy yellow goo.
Oh, how I wish this meat was through!
I ate my chicken and my peas,
And then I said, "Thank you, please."
"Wait, eat your squash and you may go."
My mother said, and now you know.
We've eaten through it's been a year.
My squash and I are sitting here.

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