Automate This How Algorithms Took Over Our Markets Our Jobs And The World Author Christopher Steiner Dec 2013

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In Automate This, journalist Christopher Steiner, discusses the ways in which algorithms are increasingly mediating and augmenting everyday life through their deployment in a variety of industries. He makes a persuasive case, using a series of well told stories that focus on the activities of particular pioneers of creating and using algorithms.

Automate This: How Algorithms Took Over Our Markets, Our ...

In this fascinating book, Steiner tells the story of how algorithms took over and shows why the “bot revolution” is about to spill into every aspect of our lives. We meet bots that are driving cars, penning haikus, and writing music mistaken for Bach’s.

Automate This: How Algorithms Took Over Our Markets, Our ...

Automate This: How Algorithms Took Over Our Markets, Our Jobs, and the World by Christopher Steiner - Books on Google Play.

Automate This: How Algorithms Took Over Our Markets, Our ...

In this fascinating, frightening book, Christopher Steiner tells the story of how algorithms took over—and shows why the “bot revolution” is about to spill into every aspect of our lives, often silently, without our knowledge. ... In Automate This, we meet bots that are driving cars, penning haiku, and writing music mistaken for Bach’s ...

Automate This: How Algorithms Took Over Our Markets, Our ...

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Automate This: How Algorithms Took Over Our Markets, Our ...

Automate This: How Algorithms Took Over Our Markets, Our Jobs, and the World. Christopher Steiner. Penguin, Aug 30, 2012 - Business & Economics - 256 pages. 9 Reviews. The rousing story of the last gasp of human agency and how today’s best and brightest minds are endeavoring to put an end to it.

Automate This: How Algorithms Took Over Our Markets, Our ...

In this fascinating audiobook, Automate This: How Algorithms Took Over Our Markets, Our Jobs, and the World the author Chris Steiner tells the story of how algorithms took over and reveals why the “bot revolution” is about to spill into every facet of our lives. We meet bots which are driving vehicles, penning poems, and writing music mistaken for Bach’s.

Automate This: How Algorithms Took Over Our Markets, Our ...

The recent book "Automate This: How Algorithms came to rule our world" by Christopher Steiner gives a good overview of many of the fields in which computers have achieved or surpassed human performance, whether

Automate This: How Algorithms Came to Rule Our World by ...

Automate This: How Algorithms Came to Rule Our World is a book written by Christopher Steiner and published by Penguin Group. Steiner begins his study of algorithms on Wall Street in the 1980s but also provides examples from other industries. For example, he explains the history of Pandora Radio and the use of algorithms in music identification.

Automate This - Wikipedia

Free 2-day shipping on qualified orders over $35. Buy Automate This : How Algorithms Took Over Our Markets, Our Jobs, and the World at Walmart.com

Automate This : How Algorithms Took Over Our Markets, Our ...

Steiner's optimism about the future of us and algorithms along with his concise explanations make the book very enjoyable to read and easy to understand. `Automate This' does a great job of explaining the uses and possible innovations for algorithms, from Wall Street to music to social media.

Amazon.com: Customer reviews: Automate This: How ...

In Automate This, journalist Christopher Steiner, discusses the ways in which algorithms are increasingly mediating and augmenting everyday life through their deployment in a variety of industries. He makes a persuasive case, using a series of well told stories that focus on the activities of particular pioneers of creating and using algorithms.

Buy Automate This: How Algorithms Took Over Our Markets ...

Automate This: How Algorithms Took Over Our Markets, Our Jobs, and the World by Christopher Steiner starting at $3.88. Automate This: How Algorithms Took Over Our Markets, Our Jobs, and the World has 1 available editions to buy at Half Price Books Marketplace

How the rise of computerized decision-making affects every aspect of business and daily life The bot takeover began with high frequency trading on Wall Street, and from there it spread to all manners of high-level tasks—such as diagnosing illnesses or interpreting legal documents. There is no realm of human endeavor safe from algorithms that employ speed, precision and nuance. In this fascinating book, Steiner tells the story of how algorithms took over and shows why the “bot revolution” is about to spill into every aspect of our lives. We meet bots that are driving cars, penning haikus, and writing music mistaken for Bach’s. They listen in on customer service calls and figure out what Iran would do in the event of a nuclear standoff. On Wall Street, pre-programmed algorithmic deals are executed by machines faster than any human could—leaving human investors at a severe disadvantage. But what will the world look like when algorithms control our hospitals, our roads, and our national security? Is a stock market controlled by high-speed trading bots worth investing in? And what role will be left for doctors, lawyers, writers, truck drivers, and many others?

The rousing story of the last gasp of human agency and how today’s best and brightest minds are endeavoring to put an end to it. It used to be that to diagnose an illness, interpret legal documents, analyze foreign policy, or write a newspaper article you needed a human being with specific skills—and maybe an advanced degree or two. These days, high-level tasks are increasingly being handled by algorithms that can do precise work not only with speed but also with nuance. These “bots” started with human programming and logic, but now their reach extends beyond what their creators ever expected. In this fascinating, frightening book, Christopher Steiner tells the story of how algorithms took over—and shows why the “bot revolution” is about to spill into every aspect of our lives, often silently, without our knowledge. The May 2010 “Flash Crash” exposed Wall Street’s reliance on trading bots to the tune of a 998-point market drop and $1 trillion in vanished market value. But that was just the beginning. In Automate This, we meet bots that are driving cars, penning haiku, and writing music mistaken for Bach’s. They listen in on our customer service calls and figure out what Iran would do in the event of a nuclear standoff. There are algorithms that can pick out the most cohesive crew of astronauts for a space mission or identify the next Jeremy Lin. Some can even ingest statistics from baseball games and spit out pitch-perfect sports journalism indistinguishable from that produced by humans. The interaction of man and machine can make our lives easier. But what will the world look like when algorithms control our hospitals, our roads, our culture, and our national security? What happens to businesses when we automate judgment and eliminate human instinct? And what role will be left for doctors, lawyers, writers, truck drivers, and many others? Who knows—maybe there’s a bot learning to do your job this minute.

From driverless cars to pilotless planes, many functions that have previously required human labor can now be performed using artificial intelligence. For businesses, this use of AI results in reduced labor costs and, even more important, creating a competitive advantage. How does one look at any organization and begin the work of automating it in sensible ways? This book provides the blueprint for automating critical business functions of all kinds. It outlines the skills and technologies that must be brought to bear on replicating human-like thinking and judgment in the form of algorithms. Many believe that algorithm design is the exclusive purview of computer scientists and experienced programmers. This book aims to dispel that notion. An algorithm is merely a set of rules, and anyone with the ability to envision how different components of a business can interact with other components already has the ability to work in algorithms. Though many fear that the use of automation in business means human labor will no longer be needed, the author argues that organizations will re-purpose humans into different roles under the banner of automation, not simply get rid of them. He also identifies parts of business that are best targeted for automation. This book will arm business people with the tools needed to automate companies, making them perform better, move faster, operate cheaper, and provide great lasting value to investors.

WINNER: The 2018 McGannon Center Book Prize and shortlisted for the Goddard Riverside Stephan Russo Book Prize for Social Justice The New York Times Book Review: "Riveting." Naomi Klein: "This book is downright scary." Ethan Zuckerman, MIT: "Should be required reading." Dorothy Roberts, author of Killing the Black Body: "A must-read." Astra Taylor, author of The People's Platform: "The single most important book about technology you will read this year." Cory Doctorow: "Indispensable." A powerful investigative look at data-based discrimination—and how technology affects civil and human rights and economic equity The State of Indiana denies one million applications for healthcare, foodstamps and cash benefits in three years—because a new computer system interprets any mistake as “failure to cooperate.” In Los Angeles, an algorithm calculates the comparative vulnerability of tens of thousands of homeless people in order to prioritize them for an inadequate pool of housing resources. In Pittsburgh, a child welfare agency uses a statistical model to try to predict which children might be future victims of abuse or neglect. Since the dawn of the digital age, decision-making in finance, employment, politics, health and human services has undergone revolutionary change. Today, automated systems—rather than humans—control which neighborhoods get policed, which families attain needed resources, and who is investigated for fraud. While we all live under this new regime of data, the most invasive and punitive systems are aimed at the poor. In Automating Inequality, Virginia Eubanks systematically investigates the impacts of data mining, policy algorithms, and predictive risk models on poor and working-class people in America. The book is full of heart-wrenching and eye-opening stories, from a woman in Indiana whose benefits are literally cut off as she lays dying to a family in Pennsylvania in daily fear of losing their daughter because they fit a certain statistical profile. The U.S. has always used its most cutting-edge science and technology to contain, investigate, discipline and punish the destitute. Like the county poorhouse and scientific charity before them, digital tracking and automated decision-making hide poverty from the middle-class public and give the nation the ethical distance it needs to make inhumane choices: which families get food and which starve, who has housing and who remains homeless, and which families are broken up by the state. In the process, they weaken democracy and betray our most cherished national values. This deeply researched and passionate book could not be more timely.

From hidden connections in big data to bots spreading fake news, journalism is increasingly computer-generated. Nicholas Diakopoulos explains the present and future of a world in which algorithms have changed how the news is created, disseminated, and received, and he shows why journalists—and their values—are at little risk of being replaced.

Market_Desc: · Electrical Engineering Students taking courses on VLSI systems, CAD tools for VLSI, Design Automation at Final Year or Graduate Level, Computer Science courses on the same topics, at a similar level· Practicing Engineers wishing to learn the state of the art in VLSI Design Automation· Designers of CAD tools for chip design in software houses or large electronics companies. Special Features: · Probably the first book on Design Automation for VLSI Systems which covers all stages of design from layout synthesis through logic synthesis to high-level synthesis· Clear, precise presentation of examples, well illustrated with over 200 figures· Focus on algorithms for VLSI design tools means it will appeal to some Computer Science as well as Electrical Engineering departments About The Book: Enrollments in VLSI design automation courses are not large but it's a very popular elective, especially for those seeking a career in the microelectronics industry. Already the reviewers seem very enthusiastic about the coverage of the book being a better match for their courses than available competitors, because it covers all design phases. It has plenty of worked problems and a large no. of illustrations. It's a good 'list-builder' title that matches our strategy of focusing on topics that lie on the interface between Elec Eng and Computer Science.

A New York Times technology columnist's timely, counterintuitive, and highly practical guide to success in the age of A.I. and automation. The machines are here. After decades of sci-fi doomsaying and marketing hype, advanced A.I. and automation technologies have leapt out of research labs and Silicon Valley engineering departments and into the center of our lives. Robots once primarily threatened blue-collar manufacturing jobs, but today's machines are being trained to do the work of lawyers, doctors, investment bankers, and other white-collar jobs previously considered safe from automation's reach. The world's biggest corporations are racing to automate jobs, and some experts predict that A.I could put millions of people out of work. Meanwhile, runaway algorithms have already changed the news we see, the politicians we elect, and the ways we interact with each other. But all is not lost. With a little effort, we can become futureproof. In Futureproof: 9 Rules for Machine-Age Humans, New York Times technology columnist Kevin Roose lays out an optimistic vision of how people can thrive in the machine age by rethinking their relationship with technology, and making themselves irreplaceably human. In nine pragmatic, accessible lessons, Roose draws on interviews with leading technologists, trips to the A.I. frontier, and centuries' worth of history to prepare readers to live, work, and thrive in the coming age of intelligent machines. He shares the secrets of people and organizations that have successfully survived technological change, including a nineteenth-century rope-maker and a Japanese auto worker, and explains how people, organizations, and communities can apply their lessons to safeguard their own futures. The lessons include: - Do work that is surprising, social, and scarce (the types of work machines can't do) - Break your phone addiction with the help of a rubber band - Work in an office - Treat A.I. like the office gorilla - Resist "hustle porn" and efficiency culture and do less, slower Roose's examination of the future rejects the conventional wisdom that in order to compete with machines, we have to become more like them--hyper-efficient, data-driven, code-writing workhorses. Instead, he says, we should let machines be machines, and focus on doing the kinds of creative, inspiring, and meaningful work only humans can do.

Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Industrial Electronics, Technology and Automation, Telecommunications and Networking. Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics includes selected papers form the conference proceedings of the International Conference on Industrial Electronics, Technology and Automation (IETA 2007) and International Conference on Telecommunications and Networking (TeNe 07) which were part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2007).

Imagine an everyday world in which the price of gasoline (and oil) continues to go up, and up, and up. Think about the immediate impact that would have on our lives. Of course, everybody already knows how about gasoline has affected our driving habits. People can't wait to junk their gas-guzzling SUVs for a new Prius. But there are more, not-so-obvious changes on the horizon that Chris Steiner tracks brilliantly in this provocative work. Consider the following societal changes: people who own homes in far-off suburbs will soon realize that there's no longer any market for their houses (reason: nobody wants to live too far away because it's too expensive to commute to work). Telecommuting will begin to expand rapidly. Trains will become the mode of national transportation (as it used to be) as the price of flying becomes prohibitive. Families will begin to migrate southward as the price of heating northern homes in the winter is too pricey. Cheap everyday items that are comprised of plastic will go away because of the rising price to produce them (plastic is derived from oil). And this is just the beginning of a huge and overwhelming domino effect that our way of life will undergo in the years to come. Steiner, an engineer by training before turning to journalism, sees how this simple but constant rise in oil and gas prices will totally re-structure our lifestyle. But what may be surprising to readers is that all of these changes may not be negative - but actually will usher in some new and very promising aspects of our society. Steiner will probe how the liberation of technology and innovation, triggered by climbing gas prices, will change our lives. The book may start as an alarmist's exercise.... but don't be misled. The future will be exhilarating.

'One of the best books yet written on data and algorithms. . .deserves a place on the bestseller charts.' (The Times) You are accused of a crime. Who would you rather determined your fate - a human or an algorithm? An algorithm is more consistent and less prone to error of judgement. Yet a human can look you in the eye before passing sentence. Welcome to the age of the algorithm, the story of a not-too-distant future where machines rule supreme, making important decisions - in healthcare, transport, finance, security, what we watch, where we go even who we send to prison. So how much should we rely on them? What kind of future do we want? Hannah Fry takes us on a tour of the good, the bad and the downright ugly of the algorithms that surround us. In Hello World she lifts the lid on their inner workings, demonstrates their power, exposes their limitations, and examines whether they really are an improvement on the humans they are replacing. A BBC RADIO 4- BOOK OF THE WEEK SHORTLISTED FOR THE 2018 BAILLIE GIFFORD PRIZE AND 2018 ROYAL SOCIETY SCIENCE BOOK PRIZE