[PDF] Algorithms Of Oppression How Search Engines Reinforce Racism

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Algorithms of Oppression-Safiya Umoja Noble 2018-02-20 A revealing look at how negative biases against women of color are embedded in search engine results and algorithms Run a Google search for "black girls"—what will you find? "Big Booty" and other sexually explicit terms are likely to come up as top search terms. But, if you type in "white girls," the results are radically different. The suggested porn sites and un-moderated discussions about "why black women are so sassy" or "why black women are so

angry" presents a disturbing portrait of black womanhood in modern society. In Algorithms of Oppression, Safiya Umoja Noble challenges the idea that search engines like Google offer an equal playing field for all forms of ideas, identities, and activities. Data discrimination is a real social problem; Noble argues that the combination of private interests in promoting certain sites, along with the monopoly status of a relatively small number of Internet search engines, leads to a biased set of search algorithms that privilege whiteness and discriminate against people of color, specifically women of color. Through an analysis of textual and media searches as well as extensive research on paid online advertising, Noble exposes a culture of racism and sexism in the way discoverability is created online. As search engines and their related companies grow in importance—operating as a source for email, a major vehicle for primary and secondary school learning, and beyond—understanding and reversing these disquieting trends and discriminatory practices is of utmost importance.

An original, surprising and, at times, disturbing account of bias on the internet, Algorithms of Oppression contributes to our understanding of how racism is created, maintained, and disseminated in the 21st century.

Algorithms of Oppression-Safiya Umoja Noble 2018-01-08 As seen in Wired and Time A revealing look at how negative biases against women of color are embedded in search engine results and algorithms Run a Google search for "black girls"—what will you find? "Big Booty" and other sexually explicit terms are likely to come up as top search terms. But, if you type in "white girls," the results are radically different. The suggested porn sites and un-moderated discussions about "why black women are so sassy" or "why black women are so angry" presents a disturbing portrait of black womanhood in modern society. In Algorithms of Oppression, Safiya Umoja Noble challenges the idea that search engines like Google offer an equal playing field for all forms of ideas,

identities, and activities. Data discrimination is a real social problem; Noble argues that the combination of private interests in promoting certain sites, along with the monopoly status of a relatively small number of Internet search engines, leads to a biased set of search algorithms that privilege whiteness and discriminate against people of color, specifically women of color. Through an analysis of textual and media searches as well as extensive research on paid online advertising, Noble exposes a culture of racism and sexism in the way discoverability is created online. As search engines and their related companies grow in importance—operating as a source for email, a major vehicle for primary and secondary school learning, and beyond—understanding and reversing these disquieting trends and discriminatory practices is of utmost importance. An original, surprising and, at times, disturbing account of bias on the internet, Algorithms of Oppression contributes to our understanding of how racism is created, maintained, and disseminated in the 21st century. Safiya Noble discusses search engine bias in an interview with USC Annenberg School for Communication and Journalism

Algorithms of Oppression-Safiya Umoja Noble 2018-02-20 Acknowledgments -- Introduction: the power of algorithms -- A society, searching -- Searching for Black girls -- Searching for people and communities -- Searching for protections from search engines -- The future of knowledge in the public -- The future of information culture -- Conclusion: algorithms of oppression -- Epilogue -- Notes -- Bibliography -- Index -- About the author

Emotions, Technology, and Design-Sharon Tettegah 2015-12-28 Emotional design explicitly addresses the emotional relationship between the objects and the subjects of design—in this book, the objects are technologies, and the subjects are technology users. The first section delves into the philosophy and theory of

emotional design to provide a foundation for the rest of the book, which goes on to discuss emotional design principles, the design and use of emoticons, and then intelligent agents in a variety of settings. A conclusion chapter covers future research and directions. Emotions, Technology, and Design provides a thorough look at how technology design affects emotions and how to use that understanding to in practical applications. Discusses the role of culture, trust, and identity in empathetic technology Presents a framework for using sound to elicit positive emotional responses Details the emotional use of color in design Explores the use of emoticons, earcons, and tactons Addresses the emotional design specific to agent-based environments

Real Black-John L. Jackson Jr. 2005-11-15 New York's urban neighborhoods are full of young would-be emcees who aspire to "keep it real" and restaurants like Sylvia's famous soul food eatery that offer a taste of "authentic" black culture. In these and other venues, authenticity is considered the best way to distinguish the real from the phony, the genuine from the fake. But in Real Black, John L. Jackson Jr. proposes a new model for thinking about these issues--racial sincerity. Jackson argues that authenticity caricatures identity as something imposed on people, imprisoning them within stereotypes--turning them into racial objects and inanimate things, instead of living, breathing human beings. Contending that such assumptions deny people agency--not to mention humanity--in their search for identity, Jackson counterposes sincerity, an internal and more productive analytical model for thinking about race. Moving in and around Harlem and Brooklyn, Jackson offers a kaleidoscope of subjects and stories that directly and indirectly address how race is negotiated in today's world--including tales of name-changing hip-hop emcees, book-vending numerologists, urban conspiracy theorists, corrupt police officers, mixed-race neo-Nazis, and high-school gospel choirs forbidden to catch the Holy Ghost. Enlisting "Anthroman," his cape-crusading critical alter ego, Jackson records and retells

these interconnected sagas in virtuosic detail and, in the process, shows us how race is defined and debated, imposed and confounded every single day.

White Bound-Matthew Hughey 2012-08-22 Discussions of race are inevitably fraught with tension, both in opinion and positioning. Too frequently, debates are framed as clear points of opposition—us versus them. And when considering white racial identity, a split between progressive movements and a neoconservative backlash is all too frequently assumed. Taken at face value, it would seem that whites are splintering into antagonistic groups, with differing worldviews, values, and ideological stances. White Bound investigates these dividing lines, questioning the very notion of a fracturing whiteness, and in so doing offers a unique view of white racial identity. Matthew Hughey spent over a year attending the meetings, reading the literature, and interviewing members of two white organizations—a white nationalist group and a white antiracist group. Though he found immediate political differences, he observed surprising similarities. Both groups make meaning of whiteness through a reliance on similar racist and reactionary stories and worldviews. On the whole, this book puts abstract beliefs and theoretical projection about the supposed fracturing of whiteness into relief against the realities of two groups never before directly compared with this much breadth and depth. By examining the similarities and differences between seemingly antithetical white groups, we see not just the many ways of being white, but how these actors make meaning of whiteness in ways that collectively reproduce both white identity and, ultimately, white supremacy.

Pattern Discrimination-Clemens Apprich 2018-11-13 How do "human" prejudices reemerge in algorithmic cultures allegedly devised to be blind to them? How do "human" prejudices reemerge in algorithmic cultures

allegedly devised to be blind to them? To answer this question, this book investigates a fundamental axiom in computer science: pattern discrimination. By imposing identity on input data, in order to filter--that is, to discriminate-- signals from noise, patterns become a highly political issue. Algorithmic identity politics reinstate old forms of social segregation, such as class, race, and gender, through defaults and paradigmatic assumptions about the homophilic nature of connection. Instead of providing a more "objective" basis of decision making, machine- learning algorithms deepen bias and further inscribe inequality into media. Yet pattern discrimination is an essential part of human--and nonhuman--cognition. Bringing together media thinkers and artists from the United States and Germany, this volume asks the urgent questions: How can we discriminate without being discriminatory? How can we filter information out of data without reinserting racist, sexist, and classist beliefs? How can we queer homophilic tendencies within digital cultures?

Research ethics in the real world-Kara, Helen 2018-11-14 Research ethics and integrity are growing in importance as academics face increasing pressure to win grants and publish, and universities promote themselves in the competitive HE market. Research Ethics in the Real World is the first book to highlight the links between research ethics and individual, social, professional, institutional, and political ethics. Drawing on Indigenous and Euro-Western research traditions, Helen Kara considers all stages of the research process, from the formulation of a research question to aftercare for participants, data and findings. She argues that knowledge of both ethical approaches is helpful for researchers working in either paradigm. Students, academics, and research ethics experts from around the world contribute real-world perspectives on navigating and managing ethics in practice. Research Ethics in the Real World provides guidance for quantitative, qualitative, and mixed-methods researchers from all disciplines about how to act

ethically throughout your research work. This book is invaluable in supporting teachers of research ethics to design and deliver effective courses.

The Intersectional Internet-Safiya Umoja Noble 2016-03-30 From race, sex, class, and culture, the multidisciplinary field of Internet studies needs theoretical and methodological approaches that allow us to question the organization of social relations that are embedded in digital technologies, and that foster a clearer understanding of how power relations are organized through technologies. Representing a scholarly dialogue among established and emerging critical media and information studies scholars, this volume provides a means of foregrounding new questions, methods, and theories which can be applied to digital media, platforms, and infrastructures. These inquiries include, among others, how representation to hardware, software, computer code, and infrastructures

might be implicated in global economic, political, and social systems of control. Contributors argue that more research needs to explicitly trace the types of uneven power relations that exist in technological spaces. By looking at both the broader political and economic context and the many digital technology acculturation processes as they are differentiated intersectionally, a clearer picture emerges of how under-acknowledging culturally situated and gendered information technologies are impacting the possibility of participation with (or purposeful abstinence from) the Internet. This book is ideal for undergraduate and graduate courses in Internet studies, library and information studies, communication, sociology, and psychology. It is also ideal for researchers with varying expertise and will help to advance theoretical and methodological approaches to Internet research.

How to Be Less Stupid About Race-Crystal Marie Fleming 2018-09-18 A unique and irreverent take on everything that's wrong with

our "national conversation about race"—and what to do about it How to Be Less Stupid About Race is your essential guide to breaking through the half-truths and ridiculous misconceptions that have thoroughly corrupted the way race is represented in the classroom, pop culture, media, and politics. Centuries after our nation was founded on genocide, settler colonialism, and slavery, many Americans are kinda-sorta-maybe waking up to the reality that our racial politics are (still) garbage. But in the midst of this reckoning, widespread denial and misunderstandings about race persist, even as white supremacy and racial injustice are more visible than ever before. Combining no-holds-barred social critique, humorous personal anecdotes, and analysis of the latest interdisciplinary scholarship on systemic racism, sociologist Crystal M. Fleming provides a fresh, accessible, and irreverent take on everything that's wrong with our "national conversation about race." Drawing upon critical race theory, as well as her own experiences as a queer black millennial college professor and researcher, Fleming unveils how systemic racism exposes us all to racial ignorance—and provides a road map for transforming our knowledge into concrete social change. Searing, sobering, and urgently needed, How to Be Less Stupid About Race is a truth bomb for your racist relative, friend, or boss, and a call to action for everyone who wants to challenge white supremacy and intersectional oppression. If you like Issa Rae, Justin Simien, Angela Davis, and Morgan Jerkins, then this deeply relevant, bold, and incisive book is for you.

If... Then-Taina Bucher 2018 We live in a world in which Google's search algorithms determine how we access information, Facebook's News Feed algorithms shape how we socialize, and Netflix collaborative filtering algorithms choose the media products we consume. As such, we live algorithmic lives. Life, however, is not blindly controlled or determined by algorithms. Nor are we simply victims of an ever-expanding artificial intelligence. Rather than looking at how

technologies shape or are shaped by political institutions, this book is concerned with the ways in which informational infrastructure may be considered political in its capacity to shape social and cultural life. It looks specifically at the conditions of algorithmic life -- how algorithms work, both materially and discursively, to create the conditions for sociality and connectivity. The book argues that the most important aspect of algorithms is not what they are in terms of their specific technical details but rather how they become part of social practices and how different people enlist them as powerful brokers of information, communication and society. If we truly want to engage with the promises of automation and predictive analytics entailed by the promises of "big data", we also need to understand the contours of algorithmic life that condition such practices. Setting out to explore both the specific uses of algorithms and the cultural forms they generate, this book offers a novel understanding of the power and politics of algorithmic life as grounded in case studies that explore the material-discursive dimensions of

software.

Cyber Racism-Jessie Daniels 2009-03-16 In this exploration of the way racism is translated from the print-only era to the cyber era the author takes the reader through a devastatingly informative tour of white supremacy online. The book examines how white supremacist organizations have translated their printed publications onto the Internet. Included are examples of open as well as 'cloaked' sites which disguise white supremacy sources as legitimate civil rights websites. Interviews with a small sample of teenagers as they surf the web show how they encounter cloaked sites and attempt to make sense of them, mostly unsuccessfully. The result is a first-rate analysis of cyber racism within the global information age. The author debunks the common assumptions that the Internet is either an inherently democratizing technology or an effective 'recruiting' tool for white supremacists. The book concludes with a nuanced, challenging analysis that urges readers

to rethink conventional ways of knowing about racial equality, civil rights, and the Internet.

The Ethical Algorithm-Michael Kearns 2019-10-04 Over the course of a generation, algorithms have gone from mathematical abstractions to powerful mediators of daily life. Algorithms have made our lives more efficient, more entertaining, and, sometimes, better informed. At the same time, complex algorithms are increasingly violating the basic rights of individual citizens. Allegedly anonymized datasets routinely leak our most sensitive personal information; statistical models for everything from mortgages to college admissions reflect racial and gender bias. Meanwhile, users manipulate algorithms to "game" search engines, spam filters, online reviewing services, and navigation apps. Understanding and improving the science behind the algorithms that run our lives is rapidly becoming one of the most pressing issues of this century. Traditional fixes, such as laws, regulations and watchdog groups, have proven woefully inadequate. Reporting from the cutting edge of scientific research, The Ethical Algorithm offers a new approach: a set of principled solutions based on the emerging and exciting science of socially aware algorithm design. Michael Kearns and Aaron Roth explain how we can better embed human principles into machine code - without halting the advance of data-driven scientific exploration. Weaving together innovative research with stories of citizens, scientists, and activists on the front lines, The Ethical Algorithm offers a compelling vision for a future, one in which we can better protect humans from the unintended impacts of algorithms while continuing to inspire wondrous advances in technology.

Automating Inequality-Virginia Eubanks 2018-01-23 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.

Masked by Trust-Matthew Reidsma 2019 "Examines library discovery systems to show how the algorithms that power them are not the neutral and unbiased systems that they are claimed to be, but are affected by the human biases of programmers and the commercial influences of their production"--

Race After Technology-Ruha Benjamin 2019-07-09 From everyday apps to complex algorithms, Ruha Benjamin cuts through tech-industry hype to understand how emerging technologies can reinforce White supremacy and deepen social inequity. Benjamin argues that automation, far from being a sinister story of racist programmers scheming on the dark web, has the potential to hide, speed up, and deepen discrimination while appearing neutral and even benevolent when compared to the racism of a previous era. Presenting the concept of the "New Jim Code," she shows how a range of discriminatory designs encode inequity by explicitly amplifying racial hierarchies; by ignoring but thereby replicating social divisions; or by aiming to fix racial bias but ultimately doing quite the opposite. Moreover, she makes a compelling case for race itself as a kind of technology, designed to stratify and sanctify social injustice in the architecture of everyday life. This illuminating guide provides conceptual tools for decoding tech promises with sociologically informed skepticism. In doing so, it challenges us to question not only the technologies we are sold but also the ones we ourselves manufacture.

The Burden of Choice-Jonathan Cohn 2019-03-01 The Burden of Choice examines how recommendations for products, media, news,

romantic partners, and even cosmetic surgery operations are produced and experienced online. Fundamentally concerned with how the recommendation has come to serve as a form of control that frames a contemporary American as heteronormative, white, and well off, this book asserts that the industries that use these automated recommendations tend to ignore and obscure all other identities in the service of making the type of affluence they are selling appear commonplace. Focusing on the period from the mid-1990s to approximately 2010 (while this technology was still novel), Jonathan Cohn argues that automated recommendations and algorithms are far from natural, neutral, or benevolent. Instead, they shape and are shaped by changing conceptions of gender, sexuality, race, and class. With its cultural studies and humanities-driven methodologies focused on close readings, historical research, and qualitative analysis, The Burden of Choice models a promising avenue for the study of algorithms and culture.

Behind the Screen-Sarah T. Roberts 2019-06-25 An eye-opening look at the invisible workers who protect us from seeing humanity's worst on today's commercial internet Social media on the internet can be a nightmarish place. A primary shield against hateful language, violent videos, and online cruelty uploaded by users is not an algorithm. It is people. Mostly invisible by design, more than 100,000 commercial content moderators evaluate posts on mainstream social media platforms: enforcing internal policies, training artificial intelligence systems, and actively screening and removing offensive material—sometimes thousands of items per day. Sarah T. Roberts, an award-winning social media scholar, offers the first extensive ethnographic study of the commercial content moderation industry. Based on interviews with workers from Silicon Valley to the Philippines, at boutique firms and at major social media companies, she contextualizes this hidden industry and examines the emotional toll it takes on its workers. This revealing

investigation of the people "behind the screen" offers insights into not only the reality of our commercial internet but the future of globalized labor in the digital age.

The Hidden Rules of Race-Andrea Flynn 2017-09-08 This book explores the racial rules that are often hidden but perpetuate vast racial inequities in the United States.

Are Filter Bubbles Real?-Axel Bruns 2019-08-27 There has been much concern over the impact of partisan echo chambers and filter bubbles on public debate. Is this concern justified, or is it distracting us from more serious issues? Axel Bruns argues that the influence of echo chambers and filter bubbles has been severely overstated, and results from a broader moral panic about the role of online and social media in society. Our focus on these concepts, and the widespread tendency to blame platforms and their algorithms for political disruptions, obscure far more serious issues pertaining to the rise of populism and hyperpolarisation in democracies. Evaluating the evidence for and against echo chambers and filter bubbles, Bruns offers a persuasive argument for why we should shift our focus to more important problems. This timely book is essential reading for students and scholars, as well as anyone concerned about challenges to public debate and the democratic process.

The Costs of Connection-Nick Couldry 2019-08-20 Just about any social need is now met with an opportunity to "connect" through digital means. But this convenience is not free—it is purchased with vast amounts of personal data transferred through shadowy backchannels to corporations using it to generate profit. The Costs of Connection uncovers this process, this "data colonialism," and its designs for controlling our lives—our ways of knowing; our means of production; our political participation. Colonialism might seem like a thing of the past,

but this book shows that the historic appropriation of land, bodies, and natural resources is mirrored today in this new era of pervasive datafication. Apps, platforms, and smart objects capture and translate our lives into data, and then extract information that is fed into capitalist enterprises and sold back to us. The authors argue that this development foreshadows the creation of a new social order emerging globally—and it must be challenged. Confronting the alarming degree of surveillance already tolerated, they offer a stirring call to decolonize the internet and emancipate our desire for connection.

Artificial Unintelligence-Meredith Broussard 2019-01-29 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.

Search Engine Society-Alexander Halavais 2017-11-27 Search engines have become a key part of our everyday lives. Yet there is growing concern with how algorithms, which run just beneath the surface of our interactions online, are affecting society. This timely new edition of Search Engine Society enlightens readers on the forms of bias that algorithms introduce into our knowledge and social spaces, drawing on recent changes to technology, industries, policies, and research. It provides an introduction to the social place of the search engine and addresses crucial questions such as: How have search engines changed the way we organize our thoughts about the world, and how we work? To what extent do politics shape search, and does search shape

politics? This book is a must-read for those who wish to understand the future of the social internet and how search shapes it.

Black Software-Charlton D. McIlwain 2019-10-01 Activists, pundits, politicians, and the press frequently proclaim today's digitally mediated racial justice activism the new civil rights movement. As Charlton D. McIlwain shows in this book, the story of racial justice movement organizing online is much longer and varied than most people know. In fact, it spans nearly five decades and involves a varied group of engineers, entrepreneurs, hobbyists, journalists, and activists. But this is a history that is virtually unknown even in our current age of Google, Facebook, Twitter, and Black Lives Matter. Beginning with the simultaneous rise of civil rights and computer revolutions in the 1960s, McIlwain, for the first time, chronicles the long relationship between African Americans, computing technology, and the Internet. In turn, he argues that the forgotten figures who worked

to make black politics central to the Internet's birth and evolution paved the way for today's explosion of racial justice activism. From the 1960s to present, the book examines how computing technology has been used to neutralize the threat that black people pose to the existing racial order, but also how black people seized these new computing tools to build community, wealth, and wage a war for racial justice.Through archival sources and the voices of many of those who lived and made this history, Black Software centralizes African Americans' role in the Internet's creation and evolution, illuminating both the limits and possibilities for using digital technology to push for racial justice in the United States and across the globe.

The Googlization of Everything-Siva Vaidhyanathan 2012-03-13 In the beginning, the World Wide Web was exciting and open to the point of anarchy, a vast and intimidating repository of unindexed confusion. Into this creative chaos came Google with its dazzling mission—"To organize the world's information and make it universally accessible"—and its much-quoted motto, "Don't be evil." In this provocative book, Siva Vaidhyanathan examines the ways we have used and embraced Google—and the growing resistance to its expansion across the globe. He exposes the dark side of our Google fantasies, raising red flags about issues of intellectual property and the much-touted Google Book Search. He assesses Google's global impact, particularly in China, and explains the insidious effect of Googlization on the way we think. Finally, Vaidhyanathan proposes the construction of an Internet ecosystem designed to benefit the whole world and keep one brilliant and powerful company from falling into the "evil" it pledged to avoid.

Race in Cyberspace-Beth Kolko 2013-08-21 Groundbreaking and timely, Race in Cyberspace brings to light the important yet vastly overlooked intersection of race and cyberspace.

White privilege-Bhopal, Kalwant 2018-04-06 Why and how do those from black and minority ethnic communities continue to be marginalised? Despite claims that we now live in a post-racial society, race continues to disadvantage those from black and minority ethnic backgrounds. Kalwant Bhopal explores how neoliberal policy making has increased rather than decreased discrimination faced by those from non-white backgrounds. She also shows how certain types of whiteness are not privileged; Gypsies and Travellers, for example, remain marginalised and disadvantaged in society. Drawing on topical debates and supported by empirical data, this important book examines the impact of race on wider issues of inequality and difference in society.

Cloud Ethics-Louise Amoore 2020-05-01 In Cloud Ethics Louise Amoore examines how machine learning algorithms are transforming the ethics and politics of contemporary society. Conceptualizing algorithms as ethicopolitical entities that are entangled with the data attributes of people, Amoore outlines how algorithms give incomplete accounts of themselves, learn through relationships with human practices, and exist in the world in ways that exceed their source code. In these ways, algorithms and their relations to people cannot be understood by simply examining their code, nor can ethics be encoded into algorithms. Instead, Amoore locates the ethical responsibility of algorithms in the conditions of partiality and opacity that haunt both human and algorithmic decisions. To this end, she proposes what she calls cloud ethics—an approach to holding algorithms accountable by engaging with the social and technical conditions under which they emerge and operate.

The Rise of Big Data Policing-Andrew G. Ferguson 2017-10-03 Winner, 2018 Law & Legal Studies PROSE Award The consequences of big data and algorithm-driven policing and its impact

on law enforcement In a high-tech command center in downtown Los Angeles, a digital map lights up with 911 calls, television monitors track breaking news stories, surveillance cameras sweep the streets, and rows of networked computers link analysts and police officers to a wealth of law enforcement intelligence. This is just a glimpse into a future where software predicts future crimes, algorithms generate virtual "most-wanted" lists, and databanks collect personal and biometric information. The Rise of Big Data Policing introduces the cutting-edge technology that is changing how the police do their jobs and shows why it is more important than ever that citizens understand the far-reaching consequences of big data surveillance as a law enforcement tool. Andrew Guthrie Ferguson reveals how these new technologies —viewed as race-neutral and objective—have been eagerly adopted by police departments hoping to distance themselves from claims of racial bias and unconstitutional practices. After a series of high-profile police shootings and federal investigations into systemic police misconduct, and in an era of law enforcement budget cutbacks, data-driven policing has been billed as a way to "turn the page" on racial bias. But behind the data are real people, and difficult questions remain about racial discrimination and the potential to distort constitutional protections. In this first book on big data policing, Ferguson offers an examination of how new technologies will alter the who, where, when and how we police. These new technologies also offer data-driven methods to improve police accountability and to remedy the underlying socio-economic risk factors that encourage crime. The Rise of Big Data Policing is a must read for anyone concerned with how technology will revolutionize law enforcement and its potential threat to the security, privacy, and constitutional rights of citizens. Read an excerpt and interview with Andrew Guthrie Ferguson in The Economist.

Bodies of Information-Elizabeth Losh 2019-01-08 A wide-ranging, interconnected anthology presents a diversity of feminist

contributions to digital humanities In recent years, the digital humanities has been shaken by important debates about inclusivity and scope—but what change will these conversations ultimately bring about? Can the digital humanities complicate the basic assumptions of tech culture, or will this body of scholarship and practices simply reinforce preexisting biases? Bodies of Information addresses this crucial question by assembling a varied group of leading voices, showcasing feminist contributions to a panoply of topics, including ubiquitous computing, game studies, new materialisms, and cultural phenomena like hashtag activism, hacktivism, and campaigns against online misogyny. Taking intersectional feminism as the starting point for doing digital humanities, Bodies of Information is diverse in discipline, identity, location, and method. Helpfully organized around keywords of materiality, values, embodiment, affect, labor, and situatedness, this comprehensive volume is ideal for classrooms. And with its multiplicity of viewpoints and arguments, it's also an important

addition to the evolving conversations around one of the fastest growing fields in the academy. Contributors: Babalola Titilola Aiyegbusi, U of Lethbridge; Moya Bailey, Northeastern U; Bridget Blodgett, U of Baltimore; Barbara Bordalejo, KU Leuven; Jason Boyd, Ryerson U; Christina Boyles, Trinity College; Susan Brown, U of Guelph; Lisa Brundage, CUNY; micha cárdenas, U of Washington Bothell; Marcia Chatelain, Georgetown U; Danielle Cole; Beth Coleman, U of Waterloo; T. L. Cowan, U of Toronto; Constance Crompton, U of Ottawa; Amy E. Earhart, Texas A&M; Nickoal Eichmann-Kalwara, U of Colorado Boulder; Julia Flanders, Northeastern U Library; Sandra Gabriele, Concordia U; Brian Getnick; Karen Gregory, U of Edinburgh; Alison Hedley, Ryerson U; Kathryn Holland, MacEwan U; James Howe, Rutgers U; Jeana Jorgensen, Indiana U; Alexandra Juhasz, Brooklyn College, CUNY; Dorothy Kim, Vassar College; Kimberly Knight, U of Texas, Dallas; Lorraine Janzen Kooistra, Ryerson U; Sharon M. Leon, Michigan State; Izetta Autumn Mobley, U of Maryland; Padmini Ray Murray, Srishti

Institute of Art, Design, and Technology; Veronica Paredes, U of Illinois; Roopika Risam, Salem State; Bonnie Ruberg, U of California, Irvine; Laila Shereen Sakr (VJ Um Amel), U of California, Santa Barbara; Anastasia Salter, U of Central Florida; Michelle Schwartz, Ryerson U; Emily Sherwood, U of Rochester; Deb Verhoeven, U of Technology, Sydney; Scott B. Weingart, Carnegie Mellon U.

Captivating Technology-Ruha Benjamin 2019-06-07 The contributors to Captivating Technology examine how carceral technologies such as electronic ankle monitors and predictive-policing algorithms are being deployed to classify and coerce specific populations and whether these innovations can be appropriated and reimagined for more liberatory ends.

Routledge Companion to Global Cyber-Security Strategy-Scott N. Romaniuk 2021-01-29 This companion provides the most comprehensive and up-to-date comparative overview of the cyber-security strategies and doctrines of the major states and actors in Europe, North America, South America, Africa, and Asia. The volume offers an introduction to each nation's cyber-security strategy and policy, along with a list of resources in English that may be consulted for those wishing to go into greater depth. Each chapter is written by a leading academic or policy specialist, and contains the following sections: overview of national cyber-security strategy; concepts and definitions; exploration of cyber-security issues as they relate to international law and governance; critical examinations of cyber partners at home and abroad; legislative developments and processes; dimensions of cybercrime and cyberterrorism; implications of cyber-security policies and strategies. This book will be of much interest to students and practitioners in the fields of cyber-security, national security, strategic studies, foreign policy, and international relations.

Antisocial Media-Siva Vaidhyanathan 2018-05-15 If you wanted to build a machine that would distribute propaganda to millions of people, distract them from important issues, energize hatred and bigotry, erode social trust, undermine respectable journalism, foster doubts about science, and engage in massive surveillance all at once, you would make something a lot like Facebook. Of course, none of that was part of the plan. In this fully updated paperback edition of Antisocial Media, Siva Vaidhyanathan explains how Facebook devolved from an innocent social site hacked together by Harvard students into a force that, while it may make personal life just a little more pleasurable, makes democracy a lot more challenging. It's an account of the hubris of good intentions, a missionary spirit, and an ideology that sees computer code as the universal solvent for all human problems. And it's an indictment of how "social media" has fostered the deterioration of democratic culture around the world, from facilitating Russian meddling in support of Trump's election to the exploitation of the platform by murderous authoritarians in Burma and the Philippines. Both authoritative and trenchant, Antisocial Media shows how Facebook's mission went so wrong.

The Black Box Society-Frank Pasquale 2015-01-05 Every day, corporations are connecting the dots about our personal behavior—silently scrutinizing clues left behind by our work habits and Internet use. But who connects the dots about what firms are doing with all this information? Frank Pasquale exposes how powerful interests abuse secrecy for profit and explains ways to rein them in.

The Internet Imaginaire-Patrice Flichy 2007 A sociological interpretation of the collective vision that shaped the origins and evolution of the Internet from the 1990s to the present day analyzes the founding myths of cyberculture, the visions of a technical utopia that informed a technological program, design experiments,

virtual reality, and other related topics.

The New American Servitude-Cati Coe 2019-04-02 Examines why African care workers feel politically excluded from the United States Care for America's growing elderly population is increasingly provided by migrants, and the demand for health care labor is only expected to grow. Because of this health care crunch and the low barriers to entry, new African immigrants have adopted elder care as a niche employment sector, funneling their friends and relatives into this occupation. However, elder care puts care workers into racialized, gendered, and age hierarchies, making it difficult for them to achieve social and economic mobility. In The New American Servitude, Coe demonstrates how these workers often struggle to find a sense of political and social belonging. They are regularly subjected to racial insults and demonstrations of power—and effectively turned into servants—at the hands of other members of the care worker network, including clients and their relatives, agency staff, and even other care workers. Low pay, a lack of benefits, and a lack of stable employment, combined with a lack of appreciation for their efforts, often alienate them, so that many come to believe that they cannot lead valuable lives in the United States. While jobs are a means of acculturating new immigrants, African care workers don't tend to become involved or politically active. Many plan to leave rather than putting down roots in the US. Offering revealing insights into the dark side of a burgeoning economy, The New American Servitude carries serious implications for the future of labor and justice in the care work industry.

Design Justice-Sasha Costanza-Chock 2020-03-03 An exploration of how design might be led by marginalized communities, dismantle structural inequality, and advance collective liberation and ecological survival. What is the relationship between design, power, and social justice? "Design justice" is an approach to design

that is led by marginalized communities and that aims expilcitly to challenge, rather than reproduce, structural inequalities. It has emerged from a growing community of designers in various fields who work closely with social movements and community-based organizations around the world. This book explores the theory and practice of design justice, demonstrates how universalist design principles and practices erase certain groups of people—specifically, those who are intersectionally disadvantaged or multiply burdened under the matrix of domination (white supremacist heteropatriarchy, ableism, capitalism, and settler colonialism)—and invites readers to "build a better world, a world where many worlds fit; linked worlds of collective liberation and ecological sustainability." Along the way, the book documents a multitude of real-world community-led design practices, each grounded in a particular social movement. Design Justice goes beyond recent calls for design for good, user-centered design, and employment diversity in the technology and design professions; it connects design to larger struggles for collective liberation and ecological survival.

Data Feminism-Catherine D'Ignazio 2020-03-31 A new way of thinking about data science and data ethics that is informed by the ideas of intersectional feminism. Today, data science is a form of power. It has been used to expose injustice, improve health outcomes, and topple governments. But it has also been used to discriminate, police, and surveil. This potential for good, on the one hand, and harm, on the other, makes it essential to ask: Data science by whom? Data science for whom? Data science with whose interests in mind? The narratives around big data and data science are overwhelmingly white, male, and techno-heroic. In Data Feminism, Catherine D'Ignazio and Lauren Klein present a new way of thinking about data science and data ethics—one that is informed by intersectional feminist thought. Illustrating data feminism in action, D'Ignazio and Klein show how challenges to the

male/female binary can help challenge other hierarchical (and empirically wrong) classification systems. They explain how, for example, an understanding of emotion can expand our ideas about effective data visualization, and how the concept of invisible labor can expose the significant human efforts required by our automated systems. And they show why the data never, ever "speak for themselves." Data Feminism offers strategies for data scientists seeking to learn how feminism can help them work toward justice, and for feminists who want to focus their efforts on the growing field of data science. But Data Feminism is about much more than gender. It is about power, about who has it and who doesn't, and about how those differentials of power can be challenged and changed.

Uncertain Archives-Nanna Bonde Thylstrup 2021-02-02 "The ambition of this book is to examine in close detail the whole range of epistemological, political and ethical uncertainties that are being raised by big data in our time"--

On Race-George Yancy 2017-09-15 With the recent barrage of racially motivated killings, violent encounters between blacks and whites, and hate crimes in the wake of the 2016 election that foreground historic problems posed by systemic racism, including disenfranchisement and mass incarceration, it would be easy to despair that Dr. Martin Luther King Jr.'s dream has turned into a nightmare. Many Americans struggle for equal treatment, facing hate speech, brutality, and a national spirit of hopelessness; their reality is hardly "post-racial." The need for clarity surrounding the significance of race and racism in the United States is more pressing than ever. This collection of interviews on race, some originally conducted for The New York Times philosophy blog, The Stone, provides rich context and insight into the nature, challenges, and deepest questions surrounding this fraught and thorny topic. In interviews with such major

thinkers as bell hooks, Judith Butler, Cornel West, Kwame Anthony Appiah, Peter Singer, and Noam Chomsky, Yancy probes the historical origins, social constructions, and lived reality of race along political and economic lines. He interrogates fully race's insidious expressions, its transcendence of Black/white binaries, and its link to neo-liberalism, its epistemological and ethical implications, and, ultimately, its future.