in their motivations, such as protecting children, any barrier to information is ultimately harmful. The AAUP statement included as an appendix to Jones’s essay is the same one quoted by Gavin-Herbert as an example of the educational system’s brokenness, thus illustrating the wide range of perspectives presented in the first section.

The book’s second section is composed of nine case studies involving trigger warnings. All case studies come from the world of higher education, and each presents a unique point of view. There are lessons learned from the inclusion of a trigger warning in an all-campus reading program. A student details the problems she faced after suggesting that a content warning be provided for a specific reading in future iterations of the course (and, modeling her own beliefs about the efficacy of content warnings, included one for her chapter). Two incidents at Smith College involving invited speakers (one who came; one who withdrew) provide an opportunity to go beyond trigger warnings and explore how arguments about academic freedom often ignore the motives of student activists and, in some cases, willfully misinterpret the desire for more engagement with a topic as a demand to be sheltered from ideas that prick their comfort. An instructor details the tools she uses in addition to trigger warnings when addressing traumatic topics in the classroom. One professor reflects on her successful use of content warnings throughout her career while another makes the case that her avoidance of such warnings has resulted in better learning outcomes for her students. Experiences with military veterans in the classroom cause two English faculty to consider adopting trigger warnings in the future. Public speaking courses are held up as an appropriate venue for trigger warnings. Finally, an instructor grapples with his internal conflict over using trigger warnings in graduate courses in library and information science, as the discipline’s enduring focus on intellectual freedom is not a natural complement to content warnings. Like the historical and theoretical essays in the first section, these case studies draw from such a breadth of experience and perspective that the reader is left with more questions than answers about trigger warnings.

Spoken like a true librarian, Knox closes her introduction by stating that “readers will have to come to their own conclusions regarding the debate.” Indeed, on any topic, librarians aim to provide information and let the readers decide for themselves. In the case of trigger warnings, the question remains as to whether they interfere with a reader’s ability to make a determination without prejudice or whether they provide a necessary tool for those readers whose lived experiences have impacted the way they need to interact with information. After reading this book, it’s clear that the jury is still out. Knox should be commended for compiling such a compelling collection of essays and case studies that really forces the reader to think critically about trigger warnings.

Artificial Unintelligence: How Computers Misunderstand the World

**Author** _Meredith Broussard_  
**Reviewer** _Clem Guthro_, Independent Librarian.


Computers grew up in the idealism of the 1960’s counterculture, creating an idealism that an online world would be better, more just, and equitable. Broussard argues that the promises of technology are out of sync with what technology can achieve. Her caution is not Ludditism but a recognition that all computing is math-based and there are limits to what math can do. We have fallen for technochauvinism, a belief that technology is always the best solution. Technochnauvinism incorporates technoliberal values including the idea that computers are more objective and unbiased because they reduce everything to a mathematical certainty. Using technology alone to solve social problems, we reproduce many of the discriminatory and inequitable outcomes we currently face.
Broussard covers the basics of computer programming to show that computers are not sentient. All data, including “computer generated” data, is socially constructed. People wrote the programs to collect data in very particular ways. She insists that computers are not like brains. If a piece of brain is removed, the brain reroutes the neural pathways to compensate while a computer does not work if a piece is removed. Computers operate on mathematical logic; they do well at calculating but not at complex tasks with social or ethical consequences.

Broussard notes that we long for the imaginary AI of Hollywood, which is computationally impossible. She distinguishes between the General AI of sentient robots and conscious machines and the Narrow AI which is a mathematical tool for prediction. Using AlphaGo as an example, she shows how the millions of hours of human labor created the training data and the algorithms that make the program capable of beating humans. The program does not think. It uses algorithms and training data to predict the best moves. She cautions the reader to keep the ideas of General AI and Narrow AI and the limitations in mind as they read.

We have become a data-rich society. The abundance of data sources can be used to tell stories, show relationships, and make predictions. Broussard notes that technochaunism blinds designers and programmers from seeing their algorithms as biased. This blindness is linked to believing that a computer makes a better and fairer decision than a human. Using examples of the work she has done as a data scientist, Broussard shows how injustice and inequality are embedded into today’s computational systems and urges her readers to challenge false claims of impartiality and fairness around technology.

In the second section, Broussard addresses issues that are raised when computers do not work or do not fully address the problems at hand. Using the public school system in Philadelphia as an example, she explores why a technological solution will not work for improving standardized test scores because it addresses the wrong question. Engineering solutions, which are mathematical solutions, work well with well-defined parameters, which schools are not. She pushes back on technochaunistic solutions which overlook the limits of school budgets and rampant poverty in some parts of the system.

Broussard contends that Marvin Minsky, the father of AI, and a small group of elite men had an outsized influence on the development of digital technology. Conditioned by the communalism of the 1960’s and the technolibertarianism of Steve Brand and Peter Thiel, where ultra-free speech and radical individuality are more important than government or social good, they imagined and misunderstood the connection between social issues and technology in ways that resulted in simplistic and dysfunctional thinking. Their disregard for women and the conventional rules of society in favor of creating new technologies shows how deeply white male bias is embedded in technology. Broussard wants readers to appreciate innovation but not to take insane ideas seriously. She cautions against adopting a computational system designed by people who don’t understand or care for the cultural systems in which the technology operates.

Machine Learning (ML) implies the computer is sentient, but in reality, ML means the computer can improve on the routines it has been programmed to perform, not that the machine acquires knowledge to act independently at tasks for which it was not programmed. ML depends on training data—large datasets that are used to “train” the machine regarding a specific machine-learning model. Broussard notes the importance of remembering that the AI and ML algorithms are created by humans, and they ignore or take into account particular contexts or biases. She urges readers to remember that ML is mathematically based and unless social factors are included and coded in a way that the computer can calculate, they are ignored. A data-driven approach will ignore many things that matter to humans. Machines are not learning and “human judgment, reinforcement and interpretations is always necessary.”

Using “self-driving” cars as an example of the complexity that is being approached in a naïve and simplistic way, she notes that this is due to misunderstanding what AI is capable of achieving. Algorithmic approaches of “good enough” do not work for actual, life-threatening situations like driving. Sensors and cameras cannot accommodate snow, bad weather, or weirdness that is often encountered by human drivers. Each state is setting standards for self-driving cars which would require additional programming. Broussard is most concerned with the ethical issues that surround completely self-driving cars (no steering wheel and no brakes). When a car malfunctions or skids, how does the car respond? Are the driver and passengers prioritized over people who may be standing on the street corner? Any response is built into the car by a programmer who made a decision. In Broussard’s view, the self-driving car is overreaching because it does not serve people well. Technologists should focus on making “human assist” systems and not human replacement systems.

Broussard argues passionately against programming which equates popular with good. This false equation builds in bias that quickly distorts and disenfranchises
Censorship is a topic of perpetual relevance, especially in the library field. In Monitoring the Movies: The Fight Over Film Censorship in Early Twentieth-Century Urban America, Jennifer Fronc, an associate professor of history at the University of Massachusetts-Amherst, surveys the chaotic birth of the popular film industry over the period 1907-1924 and the war over film content during that span. The chapters are arranged chronologically, retracing the national fight over film content, as various taboo subjects like abortion, white slavery, and racial intermarriage were addressed (or exploited) within the emerging medium. Similar ground was covered by Lee Grievson in Policing Cinema: Movies and Censorship in Early-Twentieth-Century America (2004), the subject of a lengthy note in Monitoring the Movies. But Fronc’s work is bolstered by voluminous correspondence from the National Board of Review of Motion Pictures, and the 40 pages of notes (in addition to an appendix, bibliography, and index) signal a comprehensive appraisal of this facet of the Progressive era. Along the way, there are a few light anecdotes, including one involving a melodramatic film about a railroad strike that featured a scene of a burning trestle, a special effect that meant the film’s costs ran into “many hundreds of dollars” (40).

However, the overriding theme of Monitoring the Movies is the running battle between voluntary censorship (a position advocated, predictably, by the emerging movie studios) and official state and local censorship boards. Voluntary censorship’s main advocate was W.D. McGuire Jr., executive director of the National Board of Review of Motion Pictures, formed in 1909. McGuire led a multi-year, multi-front battle for voluntary regulation of films, to hold off mandatory censorship by city and state bodies. “By 1916,” Fronc writes, “with the creation of its affiliated National Committee on Better Films, the NB was functioning as the national chaperone for motion pictures” (5). McGuire understood “National Board’s first principle” to be “protecting motion pictures from political censorship” (44). Film, the “newest medium of expression” (3) was regarded as a possibly harmful entertainment outlet for the