1. Record Nr. UNINA9910492149603321

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Titolo	How Algorithms Create and Prevent Fake News : Exploring the Impacts of Social Media, Deepfakes, GPT-3, and More / / by Noah Giansiracusa
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2021
ISBN	9781484271551 1484271556
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (239 pages)
Disciplina	006.31
Soggetti	Algorithms Technology - Moral and ethical aspects Artificial intelligence Quantitative research Data mining Ethics of Technology Artificial Intelligence Data Analysis and Big Data Design and Analysis of Algorithms Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Perils of Pageview -- 2. Crafted by Computer -- 3. Deepfake Deception -- 4. Autoplay the Autocrats -- 5. Prevarication and the Polygraph -- 6. Gravitating to Google -- 7. Avarice of Advertising -- 8. Social Spread -- 9. Tools for Truth.
Sommario/riassunto	From deepfakes to GPT-3, deep learning is now powering a new assault on our ability to tell what’s real and what’s not, bringing a whole new algorithmic side to fake news. On the other hand, remarkable methods are being developed to help automate fact-checking and the detection of fake news and doctored media. Success in the modern business world requires you to understand these algorithmic currents, and to recognize the strengths, limits, and impacts of deep learning---especially when it comes to discerning the truth and differentiating fact

from fiction. This book tells the stories of this algorithmic battle for the truth and how it impacts individuals and society at large. In doing so, it weaves together the human stories and what’s at stake here, a simplified technical background on how these algorithms work, and an accessible survey of the research literature exploring these various topics. How Algorithms Create and Prevent Fake News is anaccessible, broad account of the various ways that data-driven algorithms have been distorting reality and rendering the truth harder to grasp. From news aggregators to Google searches to YouTube recommendations to Facebook news feeds, the way we obtain information today is filtered through the lens of tech giant algorithms. The way data is collected, labelled, and stored has a big impact on the machine learning algorithms that are trained on it, and this is a main source of algorithmic bias -– which gets amplified in harmful data feedback loops. Don’t be afraid: with this book you’ll see the remedies and technical solutions that are being applied to oppose these harmful trends. There is hope. .