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Titolo	Algorithms for a New World [[electronic resource]] : When Big Data and Mathematical Models Meet / / by Alfio Quarteroni
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ISBN	9783030961664 9783030961657
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (68 pages) : illustrations
Disciplina	006.3
Soggetti	Mathematics Machine learning Artificial intelligence Quantitative research Algorithms Applications of Mathematics Machine Learning Artificial Intelligence Data Analysis and Big Data Models matemàtics Intel·ligència artificial Dades massives Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Translated from Italian.
Nota di contenuto	1 Epidemic -- 2 Retrospective -- 3 Interlude: the revolution that did not happen and the revolution that was unforeseen -- 4 Artificial intelligence, learning computers, artificial neural networks -- 5 A bit of maths (behind artificial intelligence and machine learning) -- 6 BIG DATA - BIG BROTHER (or, on the ethical and moral aspects of artificial intelligence).
Sommario/riassunto	Covid-19 has shown us the importance of mathematical and statistical models to interpret reality, provide forecasts, and explore future

scenarios. Algorithms, artificial neural networks, and machine learning help us discover the opportunities and pitfalls of a world governed by mathematics and artificial intelligence.
