1. Record Nr. UNINA9910818068103321 Autore Jones Stephan Titolo Artificial Intelligence and Machine Learning for Business for Non-**Engineers** Pubbl/distr/stampa Milton, : CRC Press LLC, 2019 **ISBN** 1-000-73399-8 1-000-73365-3 0-367-82165-6 Edizione [1st ed.] Descrizione fisica 1 online resource (165 pages) **Technology for Non-Engineers** Collana Altri autori (Persone) GroomFrank M Disciplina 006.3 Soggetti Artificial intelligence Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di contenuto Cover -- Half Title -- Title Page -- Copyright Page -- Contents --Preface -- Acknowledgment -- Editors -- Contributors -- 1 Introduction to Artificial Intelligence and Machine Learning --References -- 2 The Basic Elements of Artificial Intelligence --Introduction -- Representation -- Representing a Problem --Representation of Information -- Storing Knowledge -- Representing Knowledge -- Frames -- Trees -- Objects -- Formulating Problems and Solutions -- Storing Knowledge and Information -- File Structures -- Storage Hardware -- Searching for Knowledge and Actions --Breadth-First Search -- Depth-First Search -- Informed Search --Sophisticated Search -- Heuristic Search -- Local Search Algorithms --Adversarial Search and Games -- Problem-Solving, Decision-Making, and Taking Action -- Reasoning -- Agents Employing Reasoning and Making Decisions -- Resolution, Reaching Reasoned Conclusions, and Taking Appropriate Action -- References -- 3 Artificial Intelligence and the Cloud -- References -- 4 Artificial Intelligence Security Threats --References -- 5 Artificial Intelligence and IT Management -- General

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technology field is Artificial Intelligence (AI). The industry is moving to automate networks, cloud-based systems (e.g., Salesforce), databases (e.g., Oracle), AWS machine learning (e.g., Amazon Lex), and creating infrastructure that has the ability to adapt in real-time to changes and learn what to anticipate in the future. It is an area of technology that is coming faster and penetrating more areas of business than any other in our history. AI will be used from the C-suite to the distribution warehouse floor. Replete with case studies, this book provides a working knowledge of AI's current and future capabilities and the impact it will have on every business. It covers everything from healthcare to warehousing, banking, finance and education. It is essential reading for anyone involved in industry.