1. Record Nr. UNINA9910827036503321 Autore Freed Sam (Philosophy professor) Titolo Al and Human Thought and Emotion Pubbl/distr/stampa Milton,: Auerbach Publications, 2019 **ISBN** 0-429-67119-9 0-429-67268-3 0-429-00112-6 Descrizione fisica 1 online resource (267 pages) Disciplina 153.42028563 Soggetti Artificial intelligence - Psychological aspects Affect (Psychology) - Computer simulation Thought and thinking Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali 4.3.1 The Scientific Clean Sweep Nota di bibliografia Includes bibliographical references. Nota di contenuto Cover; Half Title; Title Page; Copyright Page; Contents; Author; 0 Introduction; 0.1 Frustrations and Opportunities in Al Research; 0.2 Central Questions; 0.3 Structure of This Volume; 0.4 How to Read This Book; PART I: INTELLIGENCE IN COMPUTERS, HUMANS AND SOCIETIES; 1 Artificial Intelligence as It Stands; 1.1 About AI; 1.1.1 AI's Relation to Psychology, Cognitive Science, etc.: 1.1.2 What Are Intelligence, Consciousness, and Introspection; 1.1.3 Defining and Viewing AI; 1.2 First Approach: Logic and Mathematics; 1.3 Second Approach: **Biological Inspiration** 1.4 A Half-Approach, and a Point or Two1.5 Watson; 1.5.1 Explicit Motivations; 1.5.2 Arguments against Introspection; 1.5.3 Interesting Points; 1.5.4 Watson -- Summary; 1.6 Simon; 1.6.1 Economics; 1.6.2 Hostile to Subjectivity -- Rationalistic: 1.6.3 Artificial Intelligence: 1.6.4 Against His Critics; 1.6.5 Flirting with Subjectivity; 1.7 Al as It Stands --Summary: 2 Current Critiques of Artificial Intelligence: 2.1 Background: Phenomenology and Heidegger; 2.1.1 Phenomenology; 2.1.2 Heidegger; 2.2 The Cognition vs Phenomenology Debate; 2.3 Dreyfus 2.3.1 Part I -- Ten Years of Research in Artificial Intelligence (1957-

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Sommario/riassunto

The field of artificial intelligence (AI) has grown dramatically in recent decades from niche expert systems to the current myriad of deep machine learning applications that include personal assistants, naturallanguage interfaces, and medical, financial, and traffic management systems. This boom in AI engineering masks the fact that all current AI systems are based on two fundamental ideas: mathematics (logic and statistics, from the 19th century), and a grossly simplified understanding of biology (mainly neurons, as understood in 1943). This book explores other fundamental ideas that have the potential to make AI more anthropomorphic. Most books on AI are technical and do not consider the humanities. Most books in the humanities treat technology in a similar manner. Al and Human Thought and Emotion, however is about AI, how academics, researchers, scientists, and practitioners came to think about AI the way they do, and how they can think about it afresh with a humanities-based perspective. The book walks a middle line to share insights between the humanities and technology. It starts with philosophy and the history of ideas and goes all the way to usable algorithms. Central to this work are the concepts of introspection, which is how consciousness is viewed, and consciousness, which is accessible to humans as they reflect on their own experience. The main argument of this book is that AI based on introspection and emotion can produce more human-like Al. To discover the connections among emotion, introspection, and AI, the book travels far from technology into the humanities and then returns with concrete examples of new algorithms. At times philosophical, historical, and technical, this exploration of human emotion and thinking poses questions and provides answers about the future of Al.