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| Altri autori (Persone) | FunkeJoachim WinkMichael |
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| Soggetti | Psychology Cognitive psychology Artificial intelligence Evolution (Biology) Social psychology Culture - Study and teaching Behavioral Sciences and Psychology Cognitive Psychology Artificial Intelligence Evolutionary Biology Social Psychology Cultural Studies |
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| Nota di contenuto | Chapter 1. The Evolution of Intelligence: A Multi- and Interdisciplinary Review of Concepts and Practical Applications -- Section 1: Biological basics -- Chapter 2. On the neurobiology of intelligence -- Chapter 3. The intelligent play with chances and selection -- Chapter 4. Intelligence in the animal kingdom -- Chapter 5. Intelligence: Evolutionary Biological Foundations and Perspectives -- Chapter 6. When intelligence is impaired -- Section 2: Psychology of Intelligence -- Chapter 7. Intelligence: The psychological view -- Chapter 8. |

Interpersonal intelligence -- Chapter 9. Development of intelligence in the context of digital media use -- Chapter 10. Metacognitive myopia - obstacle to intelligent behavior and failure of evolution? -- Section 3: Mathematical and Artificial Intelligence -- Chapter 11. Intelligent algorithms and equations? - An approach to the intelligence of mathematical concepts -- Chapter 12. Artificial intelligence and algorithms - true progress or just digital alchemy? -- Chapter 13. Statistics and intelligence - a chequered relationship -- Section 4: Artificial and Human Intelligence -- Chapter 14. Human and artificial intelligence - a critical comparison -- Chapter 15. Emotional robotics - curse or blessing in psychiatric care? -- Chapter 16. Human and artificial intelligence in medicine -- Section 5: Economic Intelligence -- Chapter 17. The industrialisation -- Chapter 18. Intelligent strategies: Correct recognition and good choices in a complex world -- Section 6: Cultural intelligence -- Chapter 19. Intelligence and literary fiction: How novels can improve our (understanding of) intelligence -- Section 7: Political Intelligence and Wisdom -- Chapter 20. Meta-Intelligence: Understanding, Control, and Coordination of Higher Cognitive Processes -- Chapter 21. Intelligentia Dei - Artificial Intelligence, Human Reason and Divine Wisdom -- Chapter 22. Political intelligence? A practical view between politics and science -- Chapter 23. Political intelligence and wisdom.

Sommario/riassunto

Intelligence allows people to understand events and to shape their surrounding environment. This book delves deeper into the theories and applications of intelligence, showing it is a multifaceted concept — defined and explained differently by prestigious experts of various disciplines in their own research. The book provides interdisciplinary connections of intelligence as it relates to a variety of clearly outlined subject areas, and should lead to a deep understanding of the phenomenon as it pertains to practical applications in different domains. Contributors in this volume present results from evolutionary biology, mathematics, artificial intelligence, medicine, psychology, cultural studies, economy, political sciences and philosophy. Individual scientific models are integrated in an interdisciplinary concept of wisdom. This volume will help enhance the common understanding of intelligence for fellow researchers and scientists alike.
