1. Record Nr. UNINA9910754084203321

Autore	Fletcher James Rupert
Titolo	The Biopolitics of Dementia : A Neurocritical Perspective / / James Rupert Fletcher
Pubbl/distr/stampa	Abingdon, Oxon, England : , : Taylor & Francis (Unlimited), , 2023
ISBN	1-003-39852-9
Descrizione fisica	1 online resource (xii, 256 pages)
Collana	Dementia in critical dialogue ; ; volume 3
Disciplina	616.831
Soggetti	Alzheimer"s disease Dementia Psychology Politics, Practical Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction: The Successful Failure of Dementia Research -- Studying Dementia : Post-1970s Divergences in Dementia Studies and the Alzheimer's Movement -- Anti-(bio)medical; Neuro-agnostic : Why Dementia Studies Needs Neurocritical Responses to the Biopolitics of Dementia -- Deconstructing Biopolitical Commitments : A Neurocritical Analysis of Biogenic Disease, Normal Ageing and Promissory Futures -- Making Dementia Curable : Circling Cognition, Biomarkers and Meaningfulness -- Destigmatising Normality : How the Awareness Economy Misconstrues and Perpetuates Stigma -- Moralising Ethnicity : Governance Through the Racialisation of Outcomes -- The Political Economy of Dementia : Post-2008 Financialisation, Awareness-as-Welfare and Speculative Demographic Alarmism -- Conclusion : Promissory Sociopolitical Histories.
Sommario/riassunto	"This book explores how dementia studies relates to dementia's growing public profile and corresponding research economy. The book argues that a neuropsychiatric biopolitics of dementia positions dementia as a syndrome of cognitive decline, caused by discrete brain diseases, distinct from ageing, widely misunderstood by the public, that will one day be overcome through technoscience. This biopolitics

		generates dementia's public profile, and is implicated in several problems, including the failure of drug discovery, the spread of stigma, the perpetuation of social inequalities and the lack of support that is available to people affected by dementia. Through a failure to critically engage with neuropsychiatric biopolitics, much dementia studies is complicit in these problems. Drawing on insights from critical psychiatry and critical gerontology, this book explores these problems and the relations between them, revealing how they are facilitated by neuro-agnostic dementia studies work that lacks robust biopolitical critiques and sociopolitical alternatives. In response, the book makes the case for a more biopolitically engaged "neurocritical" dementia studies and shows how such a tradition might be realised through the promotion of a promissory sociopolitics of dementia"-- Provided by publisher.

2.	Record Nr.	UNINA9910830885403321
	Autore	Haupt Randy L
	Titolo	Practical genetic algorithms [[electronic resource] /] / Randy L. Haupt, Sue Ellen Haupt
	Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2004
	ISBN	1-280-54212-8 9786610542123 0-471-67175-4 0-471-67174-6
	Edizione	[2nd ed.]
	Descrizione fisica	1 online resource (273 p.)
	Altri autori (Persone)	HauptS. E
	Disciplina	519.62
	Soggetti	Genetic algorithms
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"A Wiley-Interscience publication."
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	PRACTICAL GENETIC ALGORITHMS; CONTENTS; Preface; Preface to First Edition; List of Symbols; 1 Introduction to Optimization; 1.1 Finding the Best Solution; 1.1.1 What Is Optimization?; 1.1.2 Root Finding versus Optimization; 1.1.3 Categories of Optimization; 1.2 Minimum-Seeking Algorithms; 1.2.1 Exhaustive Search; 1.2.2 Analytical Optimization;

1.2.3 Nelder-Mead Downhill Simplex Method; 1.2.4 Optimization Based on Line Minimization; 1.3 Natural Optimization Methods; 1.4 Biological Optimization: Natural Selection; 1.5 The Genetic Algorithm; Bibliography; Exercises
2 The Binary Genetic Algorithm2.1 Genetic Algorithms: Natural Selection on a Computer; 2.2 Components of a Binary Genetic Algorithm; 2.2.1 Selecting the Variables and the Cost Function; 2.2.2 Variable Encoding and Decoding; 2.2.3 The Population; 2.2.4 Natural Selection; 2.2.5 Selection; 2.2.6 Mating; 2.2.7 Mutations; 2.2.8 The Next Generation; 2.2.9 Convergence; 2.3 A Parting Look; Bibliography; Exercises; 3 The Continuous Genetic Algorithm; 3.1 Components of a Continuous Genetic Algorithm; 3.1.1 The Example Variables and Cost Function; 3.1.2 Variable Encoding, Precision, and Bounds
3.1.3 Initial Population3.1.4 Natural Selection; 3.1.5 Pairing; 3.1.6 Mating; 3.1.7 Mutations; 3.1.8 The Next Generation; 3.1.9 Convergence; 3.2 A Parting Look; Bibliography; Exercises; 4 Basic Applications; 4.1 "Mary Had a Little Lamb"; 4.2 Algorithmic Creativity-Genetic Art; 4.3 Word Guess; 4.4 Locating an Emergency Response Unit; 4.5 Antenna Array Design; 4.6 The Evolution of Horses; 4.5 Summary; Bibliography; 5 An Added Level of Sophistication; 5.1 Handling Expensive Cost Functions; 5.2 Multiple Objective Optimization; 5.2.1 Sum of Weighted Cost Functions; 5.2.2 Pareto Optimization
5.3 Hybrid GA5.4 Gray Codes; 5.5 Gene Size; 5.6 Convergence; 5.7 Alternative Crossovers for Binary GAs; 5.8 Population; 5.9 Mutation; 5.10 Permutation Problems; 5.11 Selecting GA Parameters; 5.12 Continuous versus Binary GA; 5.13 Messy Genetic Algorithms; 5.14 Parallel Genetic Algorithms; 5.14.1 Advantages of Parallel GAs; 5.14.2 Strategies for Parallel GAs; 5.14.3 Expected Speedup; 5.14.4 An Example Parallel GA; 5.14.5 How Parallel GAs Are Being Used; Bibliography; Exercises; 6 Advanced Applications; 6.1 Traveling Salesperson Problem; 6.2 Locating an Emergency Response Unit Revisited
6.3 Decoding a Secret Message6.4 Robot Trajectory Planning; 6.5 Stealth Design; 6.6 Building Dynamic Inverse Models-The Linear Case; 6.7 Building Dynamic Inverse Models-The Nonlinear Case; 6.8 Combining GAs with Simulations-Air Pollution Receptor Modeling; 6.9 Optimizing Artificial Neural Nets with GAs; 6.10 Solving High-Order Nonlinear Partial Differential Equations; Bibliography; 7 More Natural Optimization Algorithms; 7.1 Simulated Annealing; 7.2 Particle Swarm Optimization (PSO); 7.3 Ant Colony Optimization (ACO); 7.4 Genetic Programming (GP); 7.5 Cultural Algorithms
7.6 Evolutionary Strategies

Sommario/riassunto

* This book deals with the fundamentals of genetic algorithms and their applications in a variety of different areas of engineering and science* Most significant update to the second edition is the MATLAB codes that accompany the text* Provides a thorough discussion of hybrid genetic algorithms* Features more examples than first edition