

1. Record Nr.	UNISA990005488730203316
Titolo	Economics and methodology : crossing boundaries : proceedings of the IEA conference held in Bergamo, Italy / edited by Roger E.Backhouse... [et al.]
Pubbl/distr/stampa	Hounds Mills, : Macmillan Press, 1998
ISBN	0-333-77597-X
Descrizione fisica	XXI, 466 p. : ill. ; 22 cm
Collana	IEA conference ; 126
Disciplina	330
Soggetti	Economia
Collocazione	300 330 BAC
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9911049221303321
Autore	Malawana Johann
Titolo	Artificial Intelligence in Healthcare and Biomedical Visualization // edited by Johann Malawana, Arian Arjomandi Rad, Robert Vardanyan, George Miller
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-06520-8
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (346 pages)
Collana	Biomedical Visualization, , 2731-6149 ; ; 10
Altri autori (Persone)	Malawana
Disciplina	610.72
Soggetti	Medicine - Research Biology - Research Artificial intelligence Machine learning Information visualization Biomedical Research Artificial Intelligence Machine Learning Data and Information Visualization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. The Anatomy of Medical Data -- Chapter 2. Machine Learning Algorithms for Medical Imaging -- Chapter 3. Virtual Reality in Medical Training -- Chapter 4. Artificial Intelligence in Diagnosis -- Chapter 5. Ethical Considerations in AI-Enabled Healthcare -- Chapter 6. The Role of Artificial Intelligence in Medical Education -- Chapter 7. AI in Surgical Simulation Training -- Chapter 8. Interstellar Informatics: Visualizing Space Medicine through Artificial Intelligence -- Chapter 9. AI in Healthcare in Low and Middle Income Countries -- Chapter 10. The Role of Artificial Intelligence in Workforce Adaptation and Skill Development.
Sommario/riassunto	This book opens with a broad survey of how AI and biomedical visualization are reshaping medicine today. It defines the global challenges—workforce shortages, exploding data volumes, and rising

costs—that make AI's intervention critical, and introduces the core technologies (machine learning, virtual reality, telemedicine) driving innovation across diagnostic, educational, and delivery systems. By framing these advances within real world pressures, the introduction establishes why a holistic, interdisciplinary treatment of AI's role in healthcare is both timely and essential. Delving deeper, the text is organized into ten thematically linked chapters. It begins by charting the anatomy of medical data and the visualization tools that make complex information interpretable, then moves into machine learning approaches for imaging and AI driven diagnostic platforms. Subsequent chapters explore immersive virtual reality simulations for clinician training, the ethical and regulatory imperatives of AI adoption, and the evolution of AI in medical education and surgical simulation. The book also examines frontier applications—autonomous health systems in spaceflight, AI supported care in low resource settings, and strategies for workforce adaptation—before concluding with a forward looking synthesis of best practices and future directions. This volume is crafted for a diverse readership—clinicians seeking to integrate AI tools, researchers probing new algorithms, healthcare administrators designing policy, and students building interdisciplinary expertise. By combining case studies, evidence based analyses, and practical guidance, it equips readers to navigate AI's complexities responsibly, optimize clinical workflows, and ultimately improve patient outcomes. Whether you're on the front lines of care or shaping the next generation of medical innovation, this book delivers the insights and frameworks needed to harness AI's transformative potential.
