1.	Record Nr.	UNINA9911019137003321
	Titolo	Science, society, and the supermarket : the opportunities and challenges of nutrigenomics / / David Castle ... [et al.]
	Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2007
	ISBN	9786610721429
		9781280721427
		1280721421
		9780470055502
		0470055502
		9780470055496
		0470055499
	Descrizione fisica	1 online resource (177 p.)
	Altri autori (Persone)	CastleDavid <1967->
	Disciplina	612.3
	Soggetti	Nutrition - Genetic aspects
		Functional genomics
		Nutrient interactions
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	SCIENCE, SOCIETY, AND THE SUPERMARKET; CONTENTS; Preface; Acknowledgments; 1 NUTRITIONAL GENOMICS: OPPORTUNITIES AND CHALLENGES; 1.1 Introduction; 1.2 What is Nutritional Genomics?; 1.3 Methodology and Approach of this Book; 1.4 Opportunities and Challenges for Nutrigenomics; 1.4.1 Improved health; 1.4.2 Personalized dietary advice; 1.4.3 Improved diet; 1.4.4 More development of health-enhancing food products; 1.4.5 Consumer empowerment; 1.4.6 Reducing health disparities; 1.4.7 Health care savings; 1.5 Challenges and a Road Map of This Book; References 2 THE SCIENCE OF NUTRIGENOMICS AND NUTRIGENETICS2.1 Introduction; 2.2 The Scientific Context; 2.2.1 Nutrigenomics; 2.2.2 Nutrigenetics; 2.3 The Case of MTHFR; 2.4 Room for Improvement; 2.4.1 Study design; 2.4.2 Epigenetics; 2.4.3 SNPs and haplotypes; 2.4.4 Dietary intake assessment; 2.4.5 Biomarkers; 2.4.6 Susceptibility and predictions; 2.4.7 Analytical and clinical validity; 2.4.8 Clinical utility;

| Sommario/riassunto | The new science of nutrigenomics and its ethical and societal challengesGene-diet interactions--which underlie relatively benign lactose intolerance to life-threatening conditions such as cardiovascular disease--have long been known. But until now, scientists lacked the tools to fully understand the underlying mechanisms that cause these conditions. In recent years, however, strides in human genomics and the nutritional sciences have allowed for the advancement of a new science--dubbed nutrigenomics. Although this science may lead to personalized nutrition and dietary recommendatio |

2.	Record Nr.	UNINA9911046533103321
	Autore	Sucar Luis Enrique
	Titolo	Causal Discovery : Foundations, Algorithms and Applications / / by Luis Enrique Sucar
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Birkhäuser, , 2026
	ISBN	9783031983450
	Edizione	[1st ed. 2026.]
	Descrizione fisica	1 online resource (302 pages)
	Collana	Computer Science Foundations and Applied Logic, , 2731-5762
	Disciplina	004.0151
	Soggetti	Computer science
		Graph theory
		Probabilities
		Philosophy
		Computer Science Logic and Foundations of Programming
		Graph Theory
		Philosophy of Probability
		Graph Theory in Probability
		Probability Theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	1. Introduction -- 2. Causality -- 3. Causal Graphical Models -- 4. Causal Discovery from Observational Data -- 5. Causal Discovery from Interventional Data -- 6. Causal Discovery in Time Series -- 7. Causal Reinforcement Learning.
	Sommario/riassunto	This book presents an overview of causal discovery, an emergent field with important developments in the last few years, and multiple applications in several fields. The book is divided into three parts. The first part provides the necessary background on causal graphical models and causal reasoning. The second describes the main algorithms and techniques for causal discovery: (a) causal discovery from observational data, (b) causal discovery from interventional data, (c) causal discovery from temporal data, and (d) causal reinforcement learning. The third part provides several examples of causal discovery in practice, including applications in biomedicine, social sciences,

artificial intelligence and robotics. Topics and features: Includes the necessary background material: a review of probability and graph theory, Bayesian networks, causal graphical models and causal reasoning Covers the main types of causal discovery: learning from observational data, learning from interventional data, and learning from temporal data Illustrates the application of causal discovery in practical problems Includes some of the latest developments in the field, such as continuous optimization, causal event networks, causal discovery under subsampling, subject specific causal models, and causal reinforcement learning Provides chapter exercises, including suggestions for research and programming projects This book can be used as a textbook for an advanced undergraduate or a graduate course on causal discovery for students of computer science, engineering, social sciences, etc. It can also be used as a complement to a course on causality, together with another text on causal reasoning. It could also serve as a reference book for professionals that want to apply causal models in different areas, or anyone who is interested in knowing the basis of these techniques. L. Enrique Sucar is Senior Research Scientist at the National Institute for Astrophysics, Optics and Electronics, Puebla, Mexico. He has published more than 400 papers in refereed journals and conferences, and is author of the Springer book, Probabilistic Graphical Models (2021, 2nd ed.).