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Titolo	Intelligent Asset Management / / by Frank Xing, Erik Cambria, Roy Welsch
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Descrizione fisica	1 online resource (XXII, 149 p. 43 illus., 34 illus. in color.)
Collana	Socio-Affective Computing, , 2509-5706 ; ; 9
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Soggetti	Medicine
	Data mining
	Artificial intelligence
	Electronic commerce
	Biomedicine, general
	Data Mining and Knowledge Discovery
	Artificial Intelligence
	e-Business/e-Commerce
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	Intel·ligència artificial
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Introduction -- Chapter 2 -- Revisiting the Literature -- Chapter 3. Theoretical Underpinnings on Text Mining -- Chapter 4. Computational Semantics for Asset Correlations -- Chapter 5. Sentiment Analysis for View Modeling -- Chapter 6. Storage and Update of Domain Knowledge -- Chapter 7. Dialog Systems and Robo-advisory -- Chapter 8. Concluding Remarks -- Appendix -- Index.
Sommario/riassunto	This book presents a systematic application of recent advances in artificial intelligence (AI) to the problem of asset management. While natural language processing and text mining techniques, such as semantic representation, sentiment analysis, entity extraction, commonsense reasoning, and fact checking have been evolving for

decades, finance theories have not yet fully considered and adapted to these ideas. In this unique, readable volume, the authors discuss integrating textual knowledge and market sentiment step-by-step, offering readers new insights into the most popular portfolio optimization theories: the Markowitz model and the Black-Litterman model. The authors also provide valuable visions of how AI technology-based infrastructures could cut the cost of and automate wealth management procedures. This inspiring book is a must-read for researchers and bankers interested in cutting-edge AI applications in finance.