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	Titolo	The 2-tuple Linguistic Model : Computing with Words in Decision Making / / by Luis Martínez, Rosa M. Rodriguez, Francisco Herrera
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	3-319-24714-X
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (179 p.)
	Disciplina	004
	Soggetti	Natural language processing (Computer science) Computer logic Natural Language Processing (NLP) Logics and Meanings of Programs
	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 at the end of each chapters.
	Nota di contenuto	Linguistic Decision Making and Computing with Words -- 2-tuple Linguistic Model -- Linguistic Approaches Based on the 2-tuple Fuzzy Linguistic Representation Model -- Decision Making in Heterogeneous Context: 2-tuple Linguistic Based Approaches -- Decision Making with Unbalanced Linguistic Information -- Dealing with Hesitant Fuzzy Linguistic Information in Decision Making -- 2-tuple Linguistic Decision Based Applications -- FLINTSTONES: A Fuzzy LINguiSTic decisiON tools Enhancement Suite.
	Sommario/riassunto	This book examines one of the more common and wide-spread methodologies to deal with uncertainty in real-world decision making problems, the computing with words paradigm, and the fuzzy linguistic approach. The 2-tuple linguistic model is the most popular methodology for computing with words (CWW), because it improves the accuracy of the linguistic computations and keeps the interpretability of the results. The authors provide a thorough review of the specialized literature in CWW and highlight the rapid growth and applicability of the 2-tuple linguistic model. They explore the foundations and methodologies for CWW in complex frameworks and extensions. The book introduces the software FLINTSTONES that provides tools for solving linguistic decision problems based on the 2-tuple linguistic

model. Professionals and researchers working in the field of classification or fuzzy sets and systems will find The 2-tuple Linguistic Model: Computing with Words in Decision Making a valuable resource. Undergraduate and postdoctoral students studying computer science and statistics will also find this book a useful study guide.