

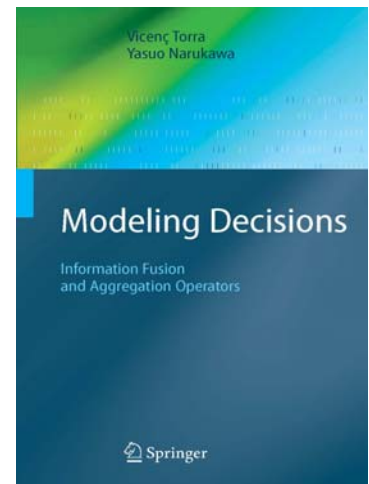
Vicenç Torra, Yasuo Narukawa

Modeling Decisions
– Information Fusion and Aggregation Operators

Cognitive Technologies Series

Ca. 300 pp., hardcover, available March 2007

ISBN 978-3-540-68789-4, Euro 54.95, USD 69.95, £42.50



Overview

The book covers the underlying science and application issues related to aggregation operators and related topics, focusing on tools used in practical applications that involve numerical information. Topics covered include an introduction to information fusion and integration and the basic notions of measurement and probability theory, fuzzy sets and functional equations; synthesis of judgements; fuzzy measures; weighted means and fuzzy integrals; indices and evaluation methods; automatic model selection; and parameter extraction and solving optimization problems. There are detailed introductions to the relevant fundamentals, and the methods are illustrated with representative examples throughout, while there are dedicated per chapter bibliographies and further reading suggestions.

The book is intended for graduate students, researchers, and practitioners such as engineers, computer scientists, statisticians and economists who use decision models and aggregation operators. The reader is assumed to have a nonspecialized background in mathematics.

Contents

Introduction.- Basic Notions.- Synthesis of Judgements.- Fuzzy Measures.- From the Weighted Mean to the Fuzzy Integrals.- Indices and Evaluation Methods.- Selection of the Model.- Extracting Parameters from a Set of Examples.- Conclusions.- References

Orders	Attn.:	Springer Customer Service, Haberstr. 7, 69126 Heidelberg, Germany	
	E-mail:	SDC-bookorder@springer-sbm.com	
Please send me:			
___ copies	Torra and Narukawa, Modeling Decisions, ISBN 978-3-540-68789-4 Euro 54.95, USD 69.95, £42.50		
Name:	_____	<input type="checkbox"/>	Please bill me
Dept.:	_____	<input type="checkbox"/>	Please charge my credit card
Institution:	_____	<input type="checkbox"/>	Visa/Barclaycard/BankAmericard
Street:	_____	<input type="checkbox"/>	Eurocard/Access/MasterCard
	_____	<input type="checkbox"/>	American Express
City:	_____	Number:	_____
ZIP-code:	_____	Valid until:	_____
Country:	_____	Date:	_____
E-mail:	_____	Signature:	_____
[All prices subject to local taxes, e.g., 7% VAT in Germany. All prices exclusive of carriage charges. Prices and other details are subject to change without notice, all errors and omissions excepted. Printed in Germany.]			
Create your own interest profile at springer.com for easy access to the latest titles in your field.			