Studies in Computational Intelligence 639

Witold Pedrycz
Shyi-Ming Chen *Editors*

Sentiment Analysis and Ontology Engineering

An Environment of Computational Intelligence

Springer

1st ed. 2016, X, 456 p. 103 illus., 73 illus. in color.

Printed book

Hardcover
159,99 € | £139.99 | $199.99
[1]171,19 € (D) | 175,99 € (A) | CHF 189,00

Softcover
159,99 € | £139.99 | $199.99
[1]171,19 € (D) | 175,99 € (A) | CHF 189,00

eBook
130,89 € | £111.50 | $149.00
[2]130,89 € (D) | 130,89 € (A) | CHF 151,00

Available from your library or springer.com/shop

MyCopy [3]
Printed eBook for just
€ | $ 24.99
springer.com/mycopy

Witold Pedrycz, Shyi-Ming Chen (Eds.)

Sentiment Analysis and Ontology Engineering

An Environment of Computational Intelligence

Series: Studies in Computational Intelligence

- Recent ideas on Sentiment Analysis and Ontology Engineering
- Presents applications of Computational Intelligence to Sentiment Analysis
- Written by experts in the fascinating field of ontology engineering and sentiment analysis

This edited volume provides the reader with a fully updated, in-depth treatise on the emerging principles, conceptual underpinnings, algorithms and practice of Computational Intelligence in the realization of concepts and implementation of models of sentiment analysis and ontology – oriented engineering. The volume involves studies devoted to key issues of sentiment analysis, sentiment models, and ontology engineering. The book is structured into three main parts. The first part offers a comprehensive and prudently structured exposure to the fundamentals of sentiment analysis and natural language processing. The second part consists of studies devoted to the concepts, methodologies, and algorithmic developments elaborating on fuzzy linguistic aggregation to emotion analysis, carrying out interpretability of computational sentiment models, emotion classification, sentiment-oriented information retrieval, a methodology of adaptive dynamics in knowledge acquisition. The third part includes a plethora of applications showing how sentiment analysis and ontologies becomes successfully applied to investment strategies, customer experience management, disaster relief, monitoring in social media, customer review rating prediction, and ontology learning. This book is aimed at a broad audience of researchers and practitioners. Readers involved in intelligent systems, data analysis, Internet engineering, Computational Intelligence, and knowledge-based systems will benefit from the exposure to the subject matter. The book may also serve as a highly useful reference material for graduate students and senior undergraduate students.

Part of **SPRINGER NATURE**