



1st ed. 2020, XV, 163 p. 12 illus., 5 illus. in color.

### Gedrucktes Buch

Hardcover

119,99 € | £109.99 | \$149.99

<sup>[1]</sup>128,39 € (D) | 131,99 € (A) | CHF 141,50

### eBook

96,29 € | £87.50 | \$109.00

<sup>[2]</sup>96,29 € (D) | 96,29 € (A) | CHF 113,00

Erhältlich bei Ihrer Bibliothek oder [springer.com/shop](http://springer.com/shop)

### MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

Urszula Bentkowska

# Interval-Valued Methods in Classifications and Decisions

Reihe: Studies in Fuzziness and Soft Computing

- Offers a concise introduction to interval-valued fuzzy methods
- Describes novel classification algorithms
- Reports on new types of interval-valued aggregations

This book describes novel algorithms based on interval-valued fuzzy methods that are expected to improve classification and decision-making processes under incomplete or imprecise information. At first, it introduces interval-valued fuzzy sets. It then discusses new methods for aggregation on interval-valued settings, and the most common properties of interval-valued aggregation operators. It then presents applications such as decision making using interval-valued aggregation, and classification in case of missing values. Interesting applications of the developed algorithms to DNA microarray analysis and in medical decision support systems are shown. The book is intended not only as a timely report for the community working on fuzzy sets and their extensions but also for researchers and practitioners dealing with the problems of uncertain or imperfect information.

Erhältlich bei Ihrem Buchhändler oder – Springer Nature Customer Service Center GmbH, Haberstrasse 7, 69126 Heidelberg, Germany / Call: + 49 (0) 6221-345-4301 / Fax: +49 (0)6221-345-4229 / Email: [customerservice@springer.com](mailto:customerservice@springer.com) / Web: [springer.com](http://springer.com)

<sup>[1]</sup> € (D) sind gebundene Ladenpreise in Deutschland und enthalten 7% MwSt; € (A) sind gebundene Ladenpreise in Österreich und enthalten 10% MwSt. CHF und die mit <sup>[2]</sup> gekennzeichneten Preise für elektronische Produkte sind unverbindliche Preisempfehlungen und enthalten die landesübliche MwSt. Programm- und Preisänderungen (auch bei Irrtümern) vorbehalten. Es gelten unsere Allgemeinen Liefer- und Zahlungsbedingungen. Springer-Verlag GmbH, Handelsregistersitz: Berlin-Charlottenburg, HR B 91022. Geschäftsführung: Haank, Mos, Hendriks

