

Preface

This research book provides the reader with a selection of high-quality texts dedicated to current progress, new developments and research trends in feature selection for data and pattern recognition. In particular, this volume points to a number of advances topically subdivided into four parts:

- estimation of importance of characteristic features, their relevance, dependencies, weighting and ranking;
- rough set approach to attribute reduction with focus on relative reducts;
- construction of rules and their evaluation;
- and data- and domain-oriented methodologies.

The volume presents one introductory and 13 reviewed research papers, reflecting the work of 29 researchers from 11 countries, namely Australia, Canada, Germany, Greece, Hungary, Italy, Japan, Malaysia, Poland, Slovenia and USA.

Compilation of this book has been made possible by many people. Our sincere thanks go to the laudable efforts of many individual persons, groups and institutions that supported them in their valuable work. We wish to express our gratitude to the contributing authors and all who helped us in review procedures of the submitted manuscripts. In addition, the editors and authors of this volume extend an expression of gratitude to the members of staff at Springer, for their support in making this volume possible.

Poland, September 2014
Australia

Urszula Stańczyk
Lakhmi C. Jain

Feature Selection for Data and Pattern Recognition

Stańczyk, U.; Jain, L.C. (Eds.)

2015, XVIII, 355 p. 74 illus., 20 illus. in color., Hardcover

ISBN: 978-3-662-45619-4