1. Record Nr.   UNINA9910299886903321

   Titolo   Advances in Feature Selection for Data and Pattern Recognition / / edited by Urszula Staczyk, Beata Zielosko, Lakhmi C. Jain

   Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018

   ISBN   3-319-67588-5

   Edizione   [1st ed. 2018.]

   Descrizione fisica   1 online resource (XVIII, 328 p. 37 illus., 20 illus. in color.)

   Collana   Intelligent Systems Reference Library, , 1868-4394 ; ; 138

   Disciplina   006.4

   Soggetti   Computational intelligence
                        Artificial intelligence
                        Pattern recognition
                        Data mining
                        Computational Intelligence
                        Artificial Intelligence
                        Pattern Recognition
                        Data Mining and Knowledge Discovery

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di bibliografia   Includes bibliographical references at the end of each chapters and index.

   Nota di contenuto   An Introduction -- Attribute Selection Based on Reduction of Numerical Attribute During Discretization -- Improving Bagging Ensembles for Class Imbalanced Data by Active Learning -- Optimization of Decision Rules Relative to Length Based on Modied Dynamic Programming Approach -- Ranking-Based Rule Classier Optimisation -- Attribute Selection in a Dispersed Decision-Making System -- Feature Selection Approach for Rule-based Knowledge Bases -- Feature Selection with a Genetic Algorithm for Classication of Brain Imaging Data.

   Sommario/riassunto   This book presents recent developments and research trends in the field of feature selection for data and pattern recognition, highlighting a number of latest advances. The field of feature selection is evolving constantly, providing numerous new algorithms, new solutions, and new applications. Some of the advances presented focus on theoretical approaches, introducing novel propositions highlighting and discussing

properties of objects, and analysing the intricacies of processes and bounds on computational complexity, while others are dedicated to the specific requirements of application domains or the particularities of tasks waiting to be solved or improved. Divided into four parts – nature and representation of data; ranking and exploration of features; image, shape, motion, and audio detection and recognition; decision support systems, it is of great interest to a large section of researchers including students, professors and practitioners.