1. Record Nr. UNINA9910467003003321

Titolo	Electromagnetic non-destructive evaluation (XXI) / / edited by Dominique Lesselier and Christophe Reboud
Pubbl/distr/stampa	Amsterdam ; ; Berlin ; ; Washington, DC : , : IOS Press, , [2018] ©2018
ISBN	1-61499-836-1
Descrizione fisica	1 online resource (292 pages)
Collana	Studies in applied electromagnetics and mechanics ; ; Volume 43
Disciplina	620.11278
Soggetti	Magnetic testing Electromagnetic measurements Nondestructive testing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910254842703321

Autore	Aggarwal Charu C
Titolo	Outlier Ensembles : An Introduction / / by Charu C. Aggarwal, Saket Sathe
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-54765-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVI, 276 p. 55 illus., 9 illus. in color.)
Disciplina	005.1
Soggetti	Computers Artificial intelligence Statistics Information Systems and Communication Service Artificial Intelligence Statistics and Computing/Statistics Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Introduction to Outlier Ensembles -- Theory of Outlier Ensembles -- Variance Reduction in Outlier Ensembles -- Bias Reduction in Outlier Ensembles: The Guessing Game -- Model Combination Methods for Outlier Ensembles -- Which Outlier Detection Algorithm Should I Use?
Sommario/riassunto	This book discusses a variety of methods for outlier ensembles and organizes them by the specific principles with which accuracy improvements are achieved. In addition, it covers the techniques with which such methods can be made more effective. A formal classification of these methods is provided, and the circumstances in which they work well are examined. The authors cover how outlier ensembles relate (both theoretically and practically) to the ensemble techniques used commonly for other data mining problems like classification. The similarities and (subtle) differences in the ensemble techniques for the classification and outlier detection problems are explored. These subtle differences do impact the design of ensemble algorithms for the latter problem. This book can be used for courses in data mining and related curricula. Many illustrative examples and

exercises are provided in order to facilitate classroom teaching. A familiarity is assumed to the outlier detection problem and also to generic problem of ensemble analysis in classification. This is because many of the ensemble methods discussed in this book are adaptations from their counterparts in the classification domain. Some techniques explained in this book, such as wagging, randomized feature weighting, and geometric subsampling, provide new insights that are not available elsewhere. Also included is an analysis of the performance of various types of base detectors and their relative effectiveness. The book is valuable for researchers and practitioners for leveraging ensemble methods into optimal algorithmic design.