1. Record Nr. UNINA9910807887903321 Autore Larose Daniel T. Titolo Data mining and predictive analytics / / Daniel T. Larose, Chantal D. Larose Pubbl/distr/stampa Hoboken, New Jersey:,: John Wiley & Sons,, 2015 2015 **ISBN** 1-118-86867-6 1-118-86870-6 Edizione [Second edition.] Descrizione fisica 1 online resource (824 pages): illustrations Wiley Series on Methods and Applications in Data Mining Collana Disciplina 006.3/12 Soggetti Data mining Prediction theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Series: Title Page: Copyright: Table of Contents: Dedication: Preface: Nota di contenuto What is Data Mining? What is Predictive Analytics?; Why is this Book Needed?; Who Will Benefit from this Book?; Danger! Data Mining is Easy to do Badly; "White-Box" Approach; Algorithm Walk-Throughs; Exciting New Topics; The R Zone; Appendix: Data Summarization and Visualization; The Case Study: Bringing it all Together; How the Book is Structured; The Software; Weka: The Open-Source Alternative; The Companion Web Site: www.dataminingconsultant.com; Data Mining and Predictive Analytics as a Textbook; Acknowledgments. Daniel's AcknowledgmentsChantal's Acknowledgments; Part I: Data Preparation; Chapter 1: An Introduction to Data Mining and Predictive Analytics; 1.1 What is Data Mining? What Is Predictive Analytics?; 1.2 Wanted: Data Miners; 1.3 The Need For Human Direction of Data Mining; 1.4 The Cross-Industry Standard Process for Data Mining: CRISP-DM; 1.5 Fallacies of Data Mining: 1.6 What Tasks can Data Mining Accomplish: The R Zone; R References; Exercises; Chapter 2: Data Preprocessing; 2.1 Why do We Need to Preprocess the Data?; 2.2 Data Cleaning; 2.3

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Sommario/riassunto

"This updated second edition serves as an introduction to data mining methods and models, including association rules, clustering, neural networks, logistic regression, and multivariate analysis. The authors apply a unified 'white box' approach to data mining methods and models. This approach is designed to walk readers through the operations and nuances of the various methods, using small data sets, so readers can gain an insight into the inner workings of the method under review. Chapters provide readers with hands-on analysis problems, representing an opportunity for readers to apply their newly-acquired data mining expertise to solving real problems using large, real-world data sets."-- Portion of summary from book.