1. Record Nr.   UNINA9910790503303321

   Autore   Lantz Brett

   Titolo   Machine learning with R / / Brett Lantz

   Pubbl/distr/stampa Birmingham : , : Packt Publishing, , 2013

   ISBN   1-68015-358-7
                       1-78216-215-1

   Edizione   [1st edition]

   Descrizione fisica 1 online resource (396 p.)

   Collana   Community experience distilled

   Soggetti   Machine learning - Statistical methods
                       R (Computer program language)
                       Programming languages (Electronic computers)

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Includes index.

   Sommario/riassunto R gives you access to the cutting-edge software you need to prepare
                       data for machine learning. No previous knowledge required – this book
                       will take you methodically through every stage of applying machine
                       learning. Harness the power of R for statistical computing and data
                       science Use R to apply common machine learning algorithms with real-
                       world applications Prepare, examine, and visualize data for analysis
                       Understand how to choose between machine learning models Packed
                       with clear instructions to explore, forecast, and classify data In Detail
                       Machine learning, at its core, is concerned with transforming data into
                       actionable knowledge. This fact makes machine learning well-suited to
                       the present-day era of "big data" and "data science". Given the growing
                       prominence of R—a cross-platform, zero-cost statistical programming
                       environment—there has never been a better time to start applying
                       machine learning. Whether you are new to data science or a veteran,
                       machine learning with R offers a powerful set of methods for quickly
                       and easily gaining insight from your data. "Machine Learning with R" is
                       a practical tutorial that uses hands-on examples to step through real-
                       world application of machine learning. Without shying away from the
                       technical details, we will explore Machine Learning with R using clear
                       and practical examples. Well-suited to machine learning beginners or

those with experience. Explore R to find the answer to all of your questions. How can we use machine learning to transform data into action? Using practical examples, we will explore how to prepare data for analysis, choose a machine learning method, and measure the success of the process. We will learn how to apply machine learning methods to a variety of common tasks including classification, prediction, forecasting, market basket analysis, and clustering. By applying the most effective machine learning methods to real-world problems, you will gain hands-on experience that will transform the way you think about data. "Machine Learning with R" will provide you with the analytical tools you need to quickly gain insight from complex data.