Google Drive



Unsupervised Learning with R

Erik Rodriguez Pacheco

Download now

Click here if your download doesn"t start automatically

Unsupervised Learning with R

Erik Rodriguez Pacheco

Unsupervised Learning with R Erik Rodriguez Pacheco

Work with over 40 packages to draw inferences from complex datasets and find hidden patterns in raw unstructured data

About This Book

- Unlock and discover how to tackle clusters of raw data through practical examples in R
- Explore your data and create your own models from scratch
- Analyze the main aspects of unsupervised learning with this comprehensive, practical step-by-step guide

Who This Book Is For

This book is intended for professionals who are interested in data analysis using unsupervised learning techniques, as well as data analysts, statisticians, and data scientists seeking to learn to use R to apply data mining techniques. Knowledge of R, machine learning, and mathematics would help, but are not a strict requirement.

What You Will Learn

- Load, manipulate, and explore your data in R using techniques for exploratory data analysis such as summarization, manipulation, correlation, and data visualization
- Transform your data by using approaches such as scaling, re-centering, scale [0-1], median/MAD, natural log, and imputation data
- Build and interpret clustering models using K-Means algorithms in R
- Build and interpret clustering models by Hierarchical Clustering Algorithm's in R
- Understand and apply dimensionality reduction techniques
- Create and use learning association rules models, such as recommendation algorithms
- Use and learn about the techniques of feature selection
- Install and use end-user tools as an alternative to programming directly in the R console

In Detail

The R Project for Statistical Computing provides an excellent platform to tackle data processing, data manipulation, modeling, and presentation. The capabilities of this language, its freedom of use, and a very active community of users makes R one of the best tools to learn and implement unsupervised learning.

If you are new to R or want to learn about unsupervised learning, this book is for you. Packed with critical information, this book will guide you through a conceptual explanation and practical examples programmed directly into the R console.

Starting from the beginning, this book introduces you to unsupervised learning and provides a high-level introduction to the topic. We quickly move on to discuss the application of key concepts and techniques for exploratory data analysis. The book then teaches you to identify groups with the help of clustering methods

or building association rules. Finally, it provides alternatives for the treatment of high-dimensional datasets, as well as using dimensionality reduction techniques and feature selection techniques.

By the end of this book, you will be able to implement unsupervised learning and various approaches associated with it in real-world projects.

Style and approach

This book takes a step-by-step approach to unsupervised learning concepts and tools, explained in a conversational and easy-to-follow style. Each topic is explained sequentially, explaining the theory and then putting it into practice by using specialized R packages for each topic.

Download Unsupervised Learning with R ...pdf

Read Online Unsupervised Learning with R ...pdf

Download and Read Free Online Unsupervised Learning with R Erik Rodriguez Pacheco

---

From reader reviews:

Jose Anderson:

Why don't make it to become your habit? Right now, try to ready your time to do the important act, like looking for your favorite e-book and reading a guide. Beside you can solve your problem; you can add your knowledge by the reserve entitled Unsupervised Learning with R. Try to make book Unsupervised Learning with R as your close friend. It means that it can to become your friend when you experience alone and beside that of course make you smarter than previously. Yeah, it is very fortuned in your case. The book makes you much more confidence because you can know every thing by the book. So , let's make new experience and knowledge with this book.

Bryant Kelly:

This Unsupervised Learning with R book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you receive by reading this book is information inside this reserve incredible fresh, you will get facts which is getting deeper an individual read a lot of information you will get. This kind of Unsupervised Learning with R without we comprehend teach the one who studying it become critical in contemplating and analyzing. Don't possibly be worry Unsupervised Learning with R can bring whenever you are and not make your carrier space or bookshelves' turn into full because you can have it with your lovely laptop even mobile phone. This Unsupervised Learning with R having fine arrangement in word in addition to layout, so you will not really feel uninterested in reading.

Kirk Banks:

Hey guys, do you desires to finds a new book to study? May be the book with the title Unsupervised Learning with R suitable to you? Typically the book was written by renowned writer in this era. The book untitled Unsupervised Learning with Ris the main one of several books in which everyone read now. This kind of book was inspired lots of people in the world. When you read this guide you will enter the new age that you ever know prior to. The author explained their thought in the simple way, so all of people can easily to know the core of this book. This book will give you a lots of information about this world now. In order to see the represented of the world on this book.

Lashunda McCloud:

In this era which is the greater individual or who has ability in doing something more are more important than other. Do you want to become considered one of it? It is just simple approach to have that. What you should do is just spending your time very little but quite enough to have a look at some books. On the list of books in the top record in your reading list is usually Unsupervised Learning with R. This book that is qualified as The Hungry Mountains can get you closer in turning out to be precious person. By looking up and review this e-book you can get many advantages.

Download and Read Online Unsupervised Learning with R Erik Rodriguez Pacheco #C7PSD9YUWVE

Read Unsupervised Learning with R by Erik Rodriguez Pacheco for online ebook

Unsupervised Learning with R by Erik Rodriguez Pacheco Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Unsupervised Learning with R by Erik Rodriguez Pacheco books to read online.

Online Unsupervised Learning with R by Erik Rodriguez Pacheco ebook PDF download

Unsupervised Learning with R by Erik Rodriguez Pacheco Doc

Unsupervised Learning with R by Erik Rodriguez Pacheco Mobipocket

Unsupervised Learning with R by Erik Rodriguez Pacheco EPub