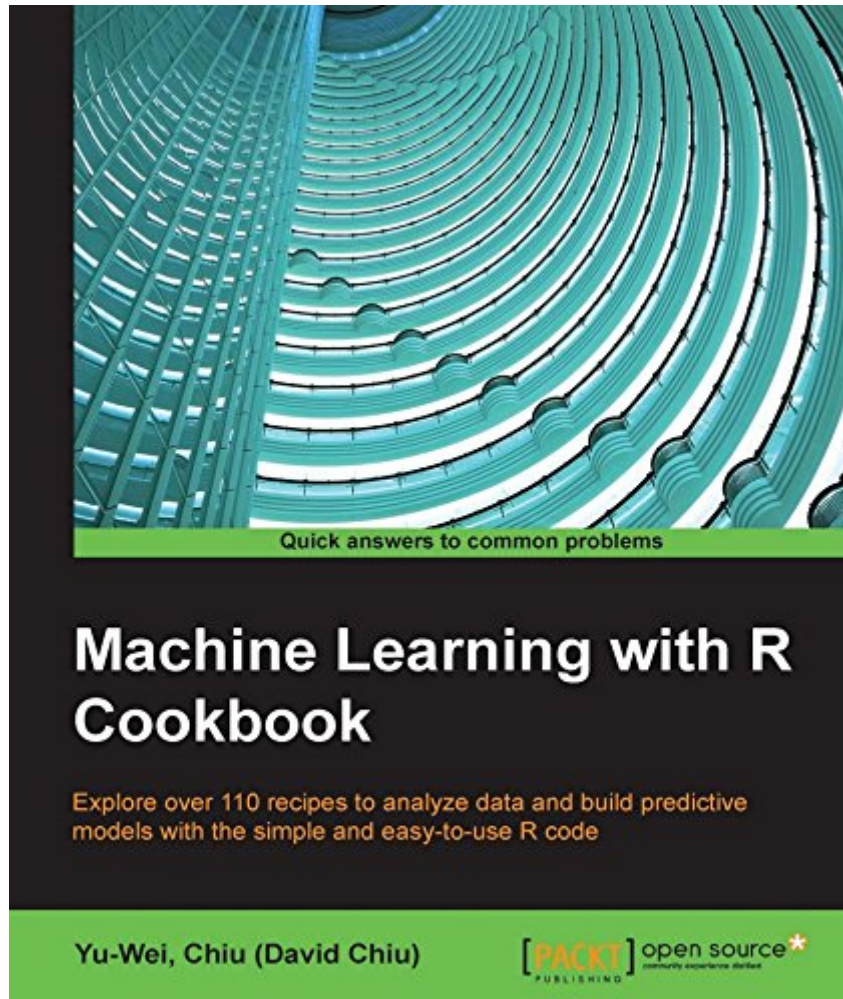


The book was found

Machine Learning With R Cookbook - 110 Recipes For Building Powerful Predictive Models With R



Synopsis

Key Features
Apply R to simplify predictive modeling with short and simple code
Use machine learning to solve problems ranging from small to big data
Build a training and testing dataset from the churn dataset, applying different classification methods

Book Description
The R language is a powerful open source functional programming language. At its core, R is a statistical programming language that provides impressive tools to analyze data and create high-level graphics. This book covers the basics of R by setting up a user-friendly programming environment and performing data ETL in R. Data exploration examples are provided that demonstrate how powerful data visualization and machine learning is in discovering hidden relationships. You will then dive into important machine learning topics, including data classification, regression, clustering, association rule mining, and dimension reduction.

What you will learn
Create and inspect the transaction dataset, performing association analysis with the Apriori algorithm
Visualize patterns and associations using a range of graphs and find frequent itemsets using the Eclat algorithm
Compare differences between each regression method to discover how they solve problems
Predict possible churn users with the classification approach
Implement the clustering method to segment customer data
Compress images with the dimension reduction method
Incorporate R and Hadoop to solve machine learning problems on Big Data

About the Author
Yu-Wei, Chiu (David Chiu) is the founder of LargitData. He has previously worked for Trend Micro as a software engineer, with the responsibility of building big data platforms for business intelligence and customer relationship management systems. In addition to being a start-up entrepreneur and data scientist, he specializes in using Spark and Hadoop to process big data and apply data mining techniques for data analysis.

Table of Contents
Practical Machine Learning with R
Data Exploration with RMS TitanicR and Statistics
Understanding Regression Analysis
Classification (I) – Tree, Lazy, and Probabilistic
Classification (II) – Neural Network and SVM
Model Evaluation
Ensemble Learning
Clustering
Association Analysis and Sequence Minin
Dimension Reduction
Big Data Analysis (R and Hadoop)

Book Information

File Size: 19508 KB

Print Length: 442 pages

Publisher: Packt Publishing (March 26, 2015)

Publication Date: March 26, 2015

Sold by: Digital Services LLC

Language: English

ASIN: B00VAG2X1C

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #668,110 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #416

in Kindle Store > Kindle eBooks > Computers & Technology > Web Graphics #517 in Books > Computers & Technology > Databases & Big Data > Data Modeling & Design #717 in Books > Computers & Technology > Software > Mathematical & Statistical

Customer Reviews

I got the free book "Machine Learning with R Cookbook" from Packt publishers for a review. I really thank the publisher for giving me the opportunity to have a good read on this book and I really appreciate the work done by the author "Yu-Wei Chiu". The following is the brief snapshot of my review. To say the foreword about the book, Machine Learning and Statistics are made simple with R leading this to the competitive level of Python and other open source communities. Chapters -1 & 2-----The author provided each detail about R installation and resources very clearly. This avoids beginners to google the basics. Cons : 1. This assumes some basic programming in R especially Data management/handling. Chapters -3 to 7-----All R statistical tools are provided with clear examples in 3rd Chapter. This gives very quick view of R-Statistical strength. The later chapters are sufficient enough to explain various types of Regression, Classification methods. This shows a valid comparison between Python's Scikit-Learn and R. Cons : 1. This expects basic knowledge of Statistics and R utilities for available statistical methods are explored. 2. This does not explain for what sort of data/application what methods are feasible. Reader should explore this by his/her own knowledge. Chapters -8 to 9-----Chapter -8 explains the Boosting/Bagging approaches.

[Download to continue reading...](#)

Machine Learning with R Cookbook - 110 Recipes for Building Powerful Predictive Models with R
Bread Machine Cookbook: 101 Delicious, Nutritious, Low Budget, Mouthwatering Bread Machine
Cookbook: Best Bread Machine Bread Recipe Recipes for Perfect-Every-Time Bread-From Every
Kind of Machine Learning: 25 Learning Techniques for Accelerated Learning - Learn Faster by

300%! (Learning, Memory Techniques, Accelerated Learning, Memory, E Learning, ... Learning Techniques, Exam Preparation) Microsoft Excel 2013 Building Data Models with PowerPivot: Building Data Models with PowerPivot (Business Skills) Bread Machine Cooking - The Ultimate Guide to Bread Machine Bread Baking: Over 24 Bread Machine Recipes You Will Love! Machine Learning: An Algorithmic Perspective, Second Edition (Chapman & Hall/Crc Machine Learning & Pattern Recognition) Instant Pot Cookbook: A Comprehensive Instant Pot Pressure Cooker Cookbook with 110 Amazing Recipes for Healthy, Fast, and Delicious Meals Oster Expressbake Bread Machine Cookbook: 101 Classic Recipes With Expert Instructions For Your Bread Maker (Bread Machine & Bread Maker Recipes) Learn: Cognitive Psychology - How to Learn, Any Skill or Subject in 21 Days! (Learn, Learning Disability, Learning Games, Learning Techniques, Learning ... Learning, Cognitive Science, Study) Powerful Prayers in the War Room: Learning to Pray like a Powerful Prayer Warrior (Battle Plan for Prayer Book 1) Powerful Prayers in the War Room: Learning to Pray like a Powerful Prayer Warrior (Spiritual Battle Plan for Prayer) (Volume 1) Bread Machine Cookbook: Over 40 Delicious Bread Machine Recipes Stir Fry Cookbook: Over 110 Quick & Easy Gluten Free Low Cholesterol Whole Foods Recipes full of Antioxidants & Phytochemicals (Natural Weight Loss Transformation Book 271) Bread Machine Recipes: Delicious, Fast & Easy Bread Machine Recipes You Will Love Crock Pot: 2,000 Crock Pot Recipes Cookbook (Crock Pot Recipes, Slow Cooker Recipes, Dump Meals Recipes, Dump Dinner Recipes, Freezer Meals Recipes, Crock Pot Recipes Free) Salads - Top 200 Salad Recipes Cookbook (Salads, Salads Recipes, Salads to go, Salad Cookbook, Salads Recipes Cookbook, Salads for Weight Loss, Salad Dressing Recipes, Salad Dressing, Fruit Salad) Rice Cooker Recipes: The Ultimate Rice Cooker Cookbook: The Best Quick And Easy Rice Cooker Recipes You Can Make At Home Tonight (Rice Cooker Cookbook, ... Recipes, Rice Cookbook, Rice Recipes) The Gluten-Free Bread Machine Cookbook: 175 Splendid Breads That Taste Great, from Any Kind of Machine Bread Machine 123: A Collection of 123 Bread Machine Recipes for Every Baking Artists Bread Machine Gluten Free: 13 Gluten Free Bread Recipes for Your Bread Maker Machine (Celiac Disease, Gluten Intolerance, Baking)

[Dmca](#)