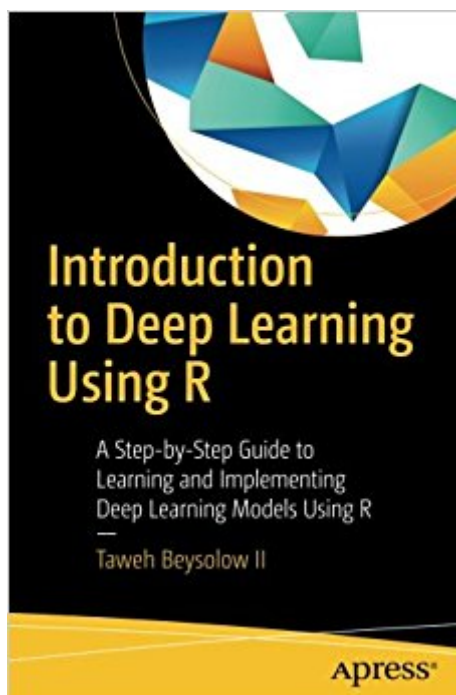




**Ebook Directory**  
the best source of ebook

The book was found

# Introduction To Deep Learning Using R: A Step-by-Step Guide To Learning And Implementing Deep Learning Models Using R



## Synopsis

Understand deep learning, the nuances of its different models, and where these models can be applied. The abundance of data and demand for superior products/services have driven the development of advanced computer science techniques, among them image and speech recognition. Introduction to Deep Learning Using R provides a theoretical and practical understanding of the models that perform these tasks by building upon the fundamentals of data science through machine learning and deep learning. This step-by-step guide will help you understand the disciplines so that you can apply the methodology in a variety of contexts. All examples are taught in the R statistical language, allowing students and professionals to implement these techniques using open source tools.

**What You'll Learn**

- Understand the intuition and mathematics that power deep learning models
- Utilize various algorithms using the R programming language and its packages
- Use best practices for experimental design and variable selection
- Practice the methodology to approach and effectively solve problems as a data scientist
- Evaluate the effectiveness of algorithmic solutions and enhance their predictive power

**Who This Book Is For**

Students, researchers, and data scientists who are familiar with programming using R. This book also is also of use for those who wish to learn how to appropriately deploy these algorithms in applications where they would be most useful.

## Book Information

Paperback: 227 pages

Publisher: Apress; 1st ed. edition (July 20, 2017)

Language: English

ISBN-10: 1484227336

ISBN-13: 978-1484227336

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 14.9 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #485,949 in Books (See Top 100 in Books) #103 in Books > Computers & Technology > Programming > Languages & Tools > Compilers #155 in Books > Textbooks > Computer Science > Artificial Intelligence #181 in Books > Textbooks > Computer Science > Object-Oriented Software Design

## Customer Reviews

Understand deep learning, the nuances of its different models, and where these models can be

applied. The abundance of data and demand for superior products/services have driven the development of advanced computer science techniques, among them image and speech recognition. Introduction to Deep Learning Using R provides a theoretical and practical understanding of the models that perform these tasks by building upon the fundamentals of data science through machine learning and deep learning. This step-by-step guide will help you understand the disciplines so that you can apply the methodology in a variety of contexts. All examples are taught in the R statistical language, allowing students and professionals to implement these techniques using open source tools.

**What You Will Learn:**

- Understand the intuition and mathematics that power deep learning models
- Utilize various algorithms using the R programming language and its packages
- Use best practices for experimental design and variable selection
- Practice the methodology to approach and effectively solve problems as a data scientist
- Evaluate the effectiveness of algorithmic solutions and enhance their predictive power

Taweh Beysolow II is a Machine Learning Scientist currently based in the United States with a passion for research and applying machine learning methods to solve problems. He has a Bachelor of Science degree in Economics from St. Johns University and a Master of Science in Applied Statistics from Fordham University. Currently, he is extremely passionate about all matters related to machine learning, data science, quantitative finance, and economics.

This book covers a lot of ground. The author lays out all the tools he will need at the start of the book - a review of all the relevant statistical concepts, a thorough explanation of machine learning, and introduction to neural networks - and uses them with care and precision to lay out a thorough grounding in Deep Learning. While it's intellectually pretty heavy-weight, I think Beysolow sells himself short when he suggests that the reader should have some decent familiarity with the R programming language and statistics. As someone who doesn't know R and whose statistics knowledge was pretty rusty, the methodical, I found that the step-by-step introduction of new concepts meant that there was plenty for me in this book (even if I'm sure some of the nuance was lost on me). An excellent introduction to one of the most important fields in computer science today.

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

Introduction to Deep Learning Using R: A Step-by-Step Guide to Learning and Implementing Deep Learning Models Using R Models and Frameworks for Implementing Evidence-Based Practice: Linking Evidence to Action UDL Now!: A Teacher's Monday Morning Guide to Implementing the

Common Core Standards Using Universal Design for Learning Blockchain: A Step-By-Step Guide For Beginners To Implementing Blockchain Technology And Leveraging Blockchain Programming (Books on Bitcoin, Money, Cryptocurrency,Ethereum, ... Hidden Economy, FinTech Book 1)

Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide: (CCNP ROUTE 300-101) (Foundation Learning Guides) A Step-By-Step Learning Guide for Older Retarded Children (Step-By-Step Learning Guide Series; 2) Markov Models: An Introduction to Markov Models Visible Learning for Literacy, Grades K-12: Implementing the Practices That Work Best to Accelerate Student Learning (Corwin Literacy) Markov Models: Understanding Data Science, Markov Models, and Unsupervised Machine Learning in Python Diving Deep: A Beginners Guide to Deep Sea Diving: (Scuba, Snorkelling, Diving, Scuba Diver, Deep Sea Diving, Swimming, Scuba Diving) DEEP HEALING SLEEP CD: Deep Relaxation, Guided Imagery Meditation and Affirmations Proven to Help Induce Deep, Restful Sleep Service Learning: A Guide to Planning, Implementing, and Assessing Student Projects Transcultural Nursing Theory and Models: Application in Nursing Education, Practice, and Administration (Sager, Transcultural Nursing Theory and Models) Art Models 10: Photos for Figure Drawing, Painting, and Sculpting (Art Models series) Art Models 10 Companion Disk: Photos for Figure Drawing, Painting, and Sculpting (Art Models series) Art Models 6: The Female Figure in Shadow and Light (Art Models series) Raw Amateur Models: MILF Daily Boob Flash - Gemma Rae, Vol. 2, Naked and Nude Glamour Photos (Raw Amateur Models: Gemma Rae) The Voyeur Collection: Wedding Lingerie Models Picture Book - Vol 14: Beautiful and Sexy Photo of Wedding Lingerie Female Models (The Voyeur Collection Picture Book) Decals: How to hand paint details on plastic models, Gunpla, and other scale models Sexy Seductive Lingerie & Boudoir Poses 1000 Positions Photographs: Fashion Models, Pin-Ups, Fashion Photographers, Figure Model, Artists & Art Models

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)