



# **Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data**

*Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta*

Download now

[Click here](#) if your download doesn't start automatically

# Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data

*Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta*

**Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data** Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta

## Key Features

- Learn how to tackle every step in the data science pipeline and use it to acquire, clean, analyze, and visualize data
- Get beyond the theory with real-world projects
- Expand your numerical programming skills through step-by-step code examples and learn more about the robust features of R and Python

## Book Description

Data's value has grown exponentially in the past decade, with 'Big Data' today being one of the biggest buzzwords in business and IT, and data scientist hailed as 'the sexiest job of the 21st century'. Practical Data Science Cookbook helps you see beyond the hype and get past the theory by providing you with a hands-on exploration of data science. With a comprehensive range of recipes designed to help you learn fundamental data science tasks, you'll uncover practical steps to help you produce powerful insights into Big Data using R and Python.

Use this valuable data science book to discover tricks and techniques to get to grips with your data. Learn effective data visualization with an automobile fuel efficiency data project, analyze football statistics, learn how to create data simulations, and get to grips with stock market data to learn data modelling. Find out how to produce sharp insights into social media data by following data science tutorials that demonstrate the best ways to tackle Twitter data, and uncover recipes that will help you dive in and explore Big Data through movie recommendation databases.

Practical Data Science Cookbook is your essential companion to the real-world challenges of working with data, created to give you a deeper insight into a world of Big Data that promises to keep growing.

## What you will learn

- Follow the recipes in this essential data science cookbook to learn the fundamentals of data science and data analysis
- Put theory into practice with a selection of real-world Big Data projects
- Learn the data science pipeline and successfully structure your data science project
- Find out how to clean, munge, and manipulate data
- Learn different approaches to data modelling and how to determine the most appropriate for your data
- Learn numerical computing with NumPy and SciPy

## About the Authors

**Tony Ojeda** is the founder of District Data Labs, a cofounder of Data Community DC, and is actively involved in promoting data science education through both organizations.

**Sean Patrick Murphy** spent 15 years as a senior scientist at The Johns Hopkins University Applied Physics Laboratory, where he focused on machine learning, modeling and simulation, signal processing, and high performance computing in the Cloud. Now, he acts as an advisor and data consultant for companies in SF, NY, and DC.

**Benjamin Bengfort** has worked in military, industry, and academia for the past 8 years. He is currently pursuing his PhD in Computer Science at the University of Maryland, College Park, researching Metacognition and Natural Language Processing.

**Abhijit Dasgupta** is a data consultant working in the greater DC-Maryland-Virginia area, with several years of experience in biomedical consulting, business analytics, bioinformatics, and bioengineering consulting.

## Table of Contents

1. Preparing Your Data Science Environment
2. Driving Visual Analysis with Automobile Data (R)
3. Simulating American Football Data (R)
4. Modeling Stock Market Data (R)
5. Visually Exploring Employment Data (R)
6. Creating Application-oriented Analyses Using Tax Data (Python)
7. Driving Visual Analyses with Automobile Data (Python)
8. Working with Social Graphs (Python)
9. Recommending Movies at Scale (Python)
10. Harvesting and Geolocating Twitter Data (Python)
11. Optimizing Numerical Code with Numpy and Scipy (Python)

 [Download Practical Data Science Cookbook - Real-World Data Scien ...pdf](#)

 [Read Online Practical Data Science Cookbook - Real-World Data Sci ...pdf](#)

**Download and Read Free Online Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta**

---

## **Download and Read Free Online Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta**

---

### **From reader reviews:**

#### **Jamey Ainsworth:**

Why don't make it to become your habit? Right now, try to prepare your time to do the important work, like looking for your favorite reserve and reading a e-book. Beside you can solve your trouble; you can add your knowledge by the publication entitled Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data. Try to make the book Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data as your friend. It means that it can to become your friend when you feel alone and beside that course make you smarter than previously. Yeah, it is very fortunated for you. The book makes you a lot more confidence because you can know everything by the book. So , let us make new experience and also knowledge with this book.

#### **Howard Benedict:**

Why? Because this Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data is an unordinary book that the inside of the guide waiting for you to snap it but latter it will surprise you with the secret the item inside. Reading this book close to it was fantastic author who have write the book in such remarkable way makes the content within easier to understand, entertaining way but still convey the meaning totally. So , it is good for you for not hesitating having this any longer or you going to regret it. This phenomenal book will give you a lot of rewards than the other book include such as help improving your talent and your critical thinking way. So , still want to hold off having that book? If I ended up you I will go to the book store hurriedly.

#### **Bernadine Parker:**

Are you kind of hectic person, only have 10 or 15 minute in your moment to upgrading your mind expertise or thinking skill actually analytical thinking? Then you have problem with the book in comparison with can satisfy your small amount of time to read it because pretty much everything time you only find guide that need more time to be examine. Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data can be your answer mainly because it can be read by a person who have those short extra time problems.

#### **Linda Cooper:**

Do you like reading a guide? Confuse to looking for your favorite book? Or your book ended up being rare? Why so many question for the book? But any people feel that they enjoy with regard to reading. Some people likes reading through, not only science book but novel and Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data or even others sources were given expertise for you. After you know how the fantastic a book, you feel wish to read more and more. Science book was created for teacher or students especially. Those ebooks are helping them to bring their knowledge.

In some other case, beside science reserve, any other book likes Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data to make your spare time far more colorful. Many types of book like this one.

**Download and Read Online Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta #TW1RL9G54MA**

# **Read Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta for online ebook**

Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta 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 Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta books to read online.

## **Online Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta ebook PDF download**

### **Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta Doc**

Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta Mobipocket

Practical Data Science Cookbook - Real-World Data Science Projects to Help You Get Your Hands On Your Data by Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta EPub