



# Scikit-Learn Cookbook

*Trent Hauck*

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**Scikit-Learn Cookbook** Trent Hauck

**Over 50 recipes to incorporate scikit-learn into every step of the data science pipeline, from feature extraction to model building and model evaluation**

## About This Book

- Learn how to handle a variety of tasks with Scikit-Learn with interesting recipes that show you how the library really works
- Use Scikit-Learn to simplify the programming side data so you can focus on thinking
- Discover how to apply algorithms in a variety of situations

## Who This Book Is For

If you're a data scientist already familiar with Python but not Scikit-Learn, or are familiar with other programming languages like R and want to take the plunge with the gold standard of Python machine learning libraries, then this is the book for you.

## What You Will Learn

- Address algorithms of various levels of complexity and learn how to analyze data at the same time
- Handle common data problems such as feature extraction and missing data
- Understand how to evaluate your models against themselves and any other model
- Discover just enough math needed to learn how to think about the connections between various algorithms
- Customize the machine learning algorithm to fit your problem, and learn how to modify it when the situation calls for it
- Incorporate other packages from the Python ecosystem to munge and visualize your dataset

## In Detail

Python is quickly becoming the go-to language for analysts and data scientists due to its simplicity and flexibility, and within the Python data space, scikit-learn is the unequivocal choice for machine learning. Its consistent API and plethora of features help solve any machine learning problem it comes across.

The book starts by walking through different methods to prepare your data—be it a dataset with missing values or text columns that require the categories to be turned into indicator variables. After the data is ready, you'll learn different techniques aligned with different objectives—be it a dataset with known outcomes such as sales by state, or more complicated problems such as clustering similar customers. Finally, you'll learn how to polish your algorithm to ensure that it's both accurate and resilient to new datasets.

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A lot of people always spent all their free time to vacation or maybe go to the outside with them household or their friend. Are you aware? Many a lot of people spent these people free time just watching TV, or perhaps playing video games all day long. If you need to try to find a new activity honestly, that is look different you can read the book. It is really fun for yourself. If you enjoy the book which you read you can spent the whole day to reading a guide. The book Scikit-Learn Cookbook it is rather good to read. There are a lot of those who recommended this book. These were enjoying reading this book. Should you did not have enough space to bring this book you can buy the e-book. You can m0ore effortlessly to read this book from your smart phone. The price is not to fund but this book offers high quality.

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