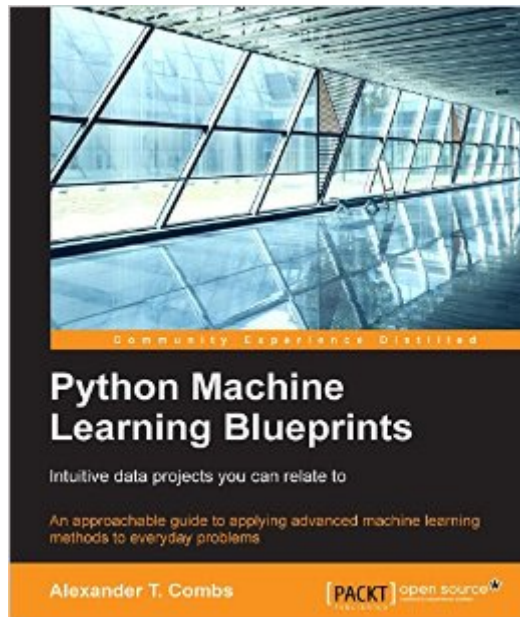


The book was found

# Python Machine Learning Blueprints: Intuitive Data Projects You Can Relate To



## Synopsis

Key Features  
Put machine learning principles into practice to solve real-world problems  
Get to grips with Python's impressive range of Machine Learning libraries and frameworks  
From retrieving data from APIs to cleaning and visualization, become more confident at tackling every stage of the data pipeline  
Book Description  
Machine Learning is transforming the way we understand and interact with the world around us. But how much do you really understand it? How confident are you interacting with the tools and models that drive it?  
Python Machine Learning Blueprints puts your skills and knowledge to the test, guiding you through the development of some awesome machine learning applications and algorithms with real-world examples that demonstrate how to put concepts into practice. You'll learn how to use cluster techniques to discover bargain air fares, and apply linear regression to find yourself a cheap apartment – and much more. Everything you learn is backed by a real-world example, whether its data manipulation or statistical modelling. That way you're never left floundering in theory – you'll be simply collecting and analyzing data in a way that makes a real impact.  
What you will learn  
Explore and use Python's impressive machine learning ecosystem  
Successfully evaluate and apply the most effective models to problems  
Learn the fundamentals of NLP - and put them into practice  
Visualize data for maximum impact and clarity  
Deploy machine learning models using third party APIs  
Get to grips with feature engineering  
About the Author  
Alexander T. Combs is an experienced data scientist, strategist, and developer with a background in financial data extraction, natural language processing and generation, and quantitative and statistical modeling. He is currently a full-time lead instructor for a data science immersive program in New York City.  
Table of Contents  
The Python Machine Learning Ecosystem  
Build an App to Find Underpriced Apartments  
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Forecast the Stock Market with Machine Learning  
Build an Image Similarity Engine  
Build a Chatbot  
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## Customer Reviews

I'd been working on some personal projects in Python 3 that related to Machine Learning and Natural Language Processing when I saw the author's post on LinkedIn, so I picked it up. As it happened, it saved me some time and trouble, as well as showed me ways I could have avoided some of the same. You'll need Python 3.x for this book. The environment I used while working through this book was Anaconda package (as I said, I was already working on things), and I had no problems. You do need a very basic understanding of Python; if you lack this you may be puzzled by some references to 'pip' and 'slicing' - but these are easily remedied by searching, should you need to. I'd rate myself as high-intermediate with Python, and I had no real issues with the book (other than my own lack of sleep in one instance). The book itself is easy to read, well supported with files, and work through examples that are interesting and well thought out. This is a workbook, and the title is appropriate since these are blueprints. The blueprints include: \* building an app to find underpriced apartments, \* building an app for finding cheap airfares, \* forecasting the IPO Market using logistic regression, \* creating a custom newsfeed, \* predicting when your content will go viral, \* forecasting the stock market with machine learning, \* Build an image similarity engine, \* Building a chatbot, \* Building a recommendation engine. I haven't had the time to do everything there, though I've read through all of them - I am still focused on my personal projects. The projects I had fun with were creating the custom newsfeed, building a similarity engine and writing a chatbot.

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