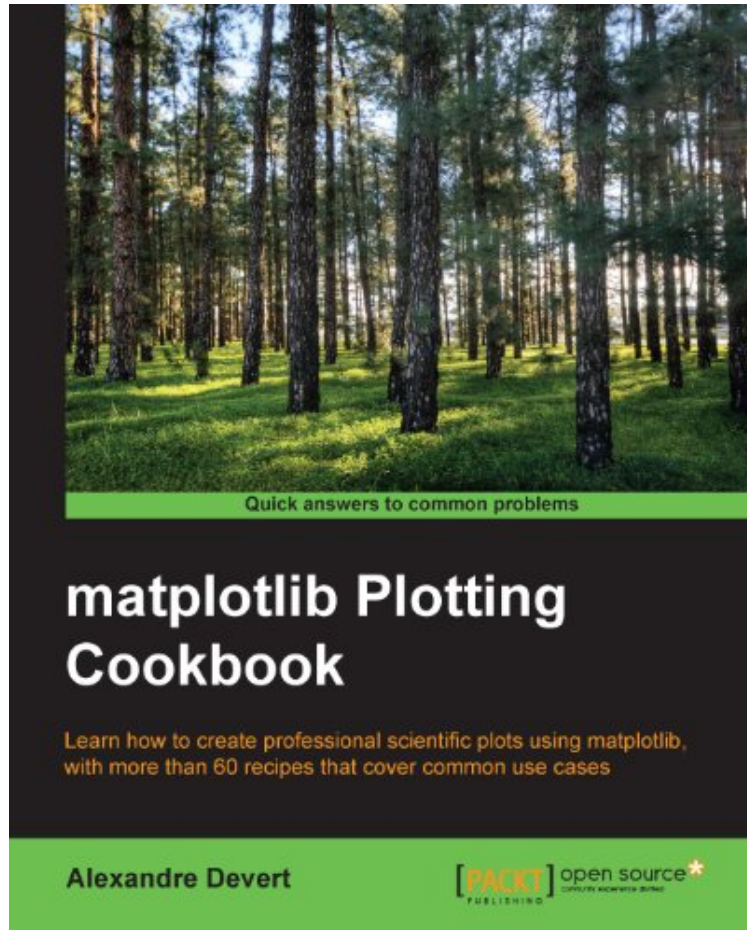


matplotlib Plotting Cookbook

Von Alexandre Devert

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Von Alexandre Devert : matplotlib Plotting Cookbook before purchasing it in order to gage whether or not it would be worth my time, and all praised matplotlib Plotting Cookbook:

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Very useful as reference and inspiration sourceVon Jan HeilandThis book has become my first reference when working with matplotlib. In particular the comprehensive examples starting from simple curves and ranging to very sophisticated data plots I very often find extremely useful. They not only provide solution but only give good ideas what is possible with data and matplotlib.For more advanced users it might be an improvement to have some explanations about the data structure that comes with setting up a plot.

KurzbeschreibungLearn how to create professional scientific plots using matplotlib, with more than 60 recipes that

cover common use cases
About This Book
Learn plotting with self-contained, practical examples that cover common use cases
Build your own solutions with the orthogonal recipes
Learn to customize and combine basic plots to make sophisticated figures
Who This Book Is For
If you are an engineer or scientist who wants to create great visualizations with Python, rather than yet another specialized language, this is the book for you. While there are several very competent plotting packages, matplotlib is just a Python module. Thus, if you know some Python already, you will feel at home from the first steps on. In case you are an application writer, you won't be left out since the integration of matplotlib is covered.
What You Will Learn
Discover how to create all the common plots you need
Enrich your plots with annotations and sophisticated legends
Take control of your plots and master colors, linestyle, and scales
Add a dimension to your plots and go 3D
Integrate your graphics into your applications
Automate your work and generate a large batch of graphics
Create interactive plots with matplotlib
Combine your plots to create sophisticated visualizations
In Detail
matplotlib is part of the Scientific Python modules collection. matplotlib provides a large library of customizable plots and a comprehensive set of backends. It tries to make easy things easy and hard things possible. You can generate plots, add dimensions to the plots, and also make the plots interactive with just a few lines of code with matplotlib. Also, matplotlib integrates well with all common GUI modules.
This book is a head-first, hands-on journey into matplotlib, the complete and definite plotting package for Python. You will learn about the basic plots, how to customize them, and combine them to make sophisticated figures. Along with basic plots, you will also learn to make professional scientific plots.
In this book, you will start with the common figures that are offered by most plotting packages. You will learn how to add annotations, and play with styles, colors, scales, and shapes so that you can add personality and visual punch to your graphics. You will also see how to combine several graphics. With this book you will learn how to create sophisticated visualizations with simple code. Finally, you can make your plots interactive.
After reading "matplotlib Plotting Cookbook", you will be able to create the highest quality plots.
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ber den Autor und weitere Mitwirkende
Alexandre Devert
Alexandre Devert is a scientist, currently busy solving problems and making tools for molecular biologists. Before this, he used to teach data mining, software engineering, and research in numerical optimization. He is an enthusiastic Python coder as well and never gets enough of it!