Learning IPython for Interactive Computing and Data Visualization

Von Cyrille Rossant
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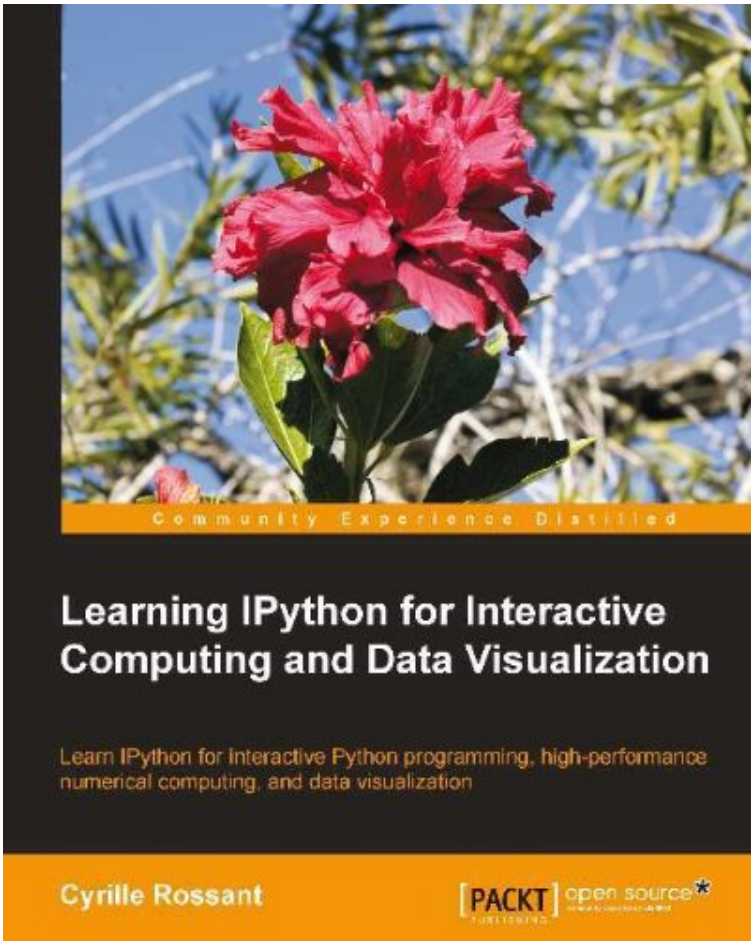

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Von Cyrille Rossant : Learning IPython for Interactive Computing and Data Visualization before purchasing it in order to gage whether or not it would be worth my time, and all praised Learning IPython for Interactive Computing and Data Visualization:

KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich. Mostly disappointing for anyone with minimal experienceVon ondeThis book tries to introduce you to a wide range of topics from ipython, numpy, scipy, matplotlib over pandas to cython etc. It's not just on ipython as the title might suggest and it's mainly targeted at the beginner who was solid Python knowledge though. It is only able to scratch the surface of the discussed packages and I would have preferred an in depth look at just some of these. A good chunk of the book is on ipython and I learned a few good tricks from that section. However overall, if you've ever played around with any of the other libraries for longer than 15 minutes, you probably already know everything that you will learn from this

book.

KurzbeschreibungIn DetailYou already use Python as a scripting language, but did you know it is also increasingly used for scientific computing and data analysis? Interactive programming is essential in such exploratory tasks and IPython is the perfect tool for that. Once youve learnt it, you wont be able to live without it."Learning IPython for Interactive Computing and Data Visualization" is a practical, hands-on, example-driven tutorial to considerably improve your productivity during interactive Python sessions, and shows you how to effectively use IPython for interactive computing and data analysis.This book covers all aspects of IPython, from the highly powerful interactive Python console to the numerical and visualization features that are commonly associated with IPython.You will learn how IPython lets you perform efficient vectorized computations, through examples covering numerical simulations with NumPy, data analysis with Pandas, and visualization with Matplotlib. You will also discover how IPython can be conveniently used to optimize your code using parallel computing and dynamic compilation in C with Cython."Learning IPython for Interactive Computing and Data Visualization" will allow you to optimize your productivity in interactive Python sessions.ApproachA practical hands-on guide which focuses on interactive programming, numerical computing, and data analysis with IPython.Who this book is forThis book is for Python developers who use Python as a scripting language or for software development, and are interested in learning IPython for increasing their productivity during interactive sessions in the console. Knowledge of Python is required, whereas no knowledge of IPython is necessary.KurzbeschreibungIn DetailYou already use Python as a scripting language, but did you know it is also increasingly used for scientific computing and data analysis? Interactive programming is essential in such exploratory tasks and IPython is the perfect tool for that. Once youve learnt it, you wont be able to live without it."Learning IPython for Interactive Computing and Data Visualization" is a practical, hands-on, example-driven tutorial to considerably improve your productivity during interactive Python sessions, and shows you how to effectively use IPython for interactive computing and data analysis.This book covers all aspects of IPython, from the highly powerful interactive Python console to the numerical and visualization features that are commonly associated with IPython.You will learn how IPython lets you perform efficient vectorized computations, through examples covering numerical simulations with NumPy, data analysis with Pandas, and visualization with Matplotlib. You will also discover how IPython can be conveniently used to optimize your code using parallel computing and dynamic compilation in C with Cython."Learning IPython for Interactive Computing and Data Visualization" will allow you to optimize your productivity in interactive Python sessions.ApproachA practical hands-on guide which focuses on interactive programming, numerical computing, and data analysis with IPython.Who this book is forThis book is for Python developers who use Python as a scripting language or for software development, and are interested in learning IPython for increasing their productivity during interactive sessions in the console. Knowledge of Python is required, whereas no knowledge of IPython is necessary.ber den Autor und weitere MitwirkendeCyrille Rossant Cyrille Rossant is a French researcher in quantitative neuroscience. A graduate of the Ecole Normale Suprieure, Paris, he holds a Master's degree and a Ph.D. in Mathematics and Computer Science. He uses IPython every day to model and simulate the brain and to analyze experimental data. He is the creator of a few scientific Python packages, including Playdoh (parallel computing) and Galry (high-performance interactive visualization).