

# Doing Math with Python

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# About me

Software Engineer at Freelancer.com in Sydney, Australia

Author of “Doing Math with Python”

Writes for Linux Magazines (Linux Voice, Linux Journal)

Contributor to SymPy, CPython, creator/maintainer of [Fedora Scientific](#)

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# Slides and Demos

<https://github.com/doingmathwithpython/sypy-july-2016>

# Why “Math with Python”?

*More interactive and enriching teaching  
learning experience*

# How?

*Tools: Python 3, SymPy, matplotlib*

*Python as ...*

Scientific Calculator

Really Awesome Calculator

More than smart calculators

# #1. Scientific Calculator

*math, statistics, others*

## #2. Really Awesome Calculator

*SymPy, matplotlib*



# #3. More than smart calculators

*Interactive notebooks, Animations,  
Fractals*

Great base for the future

*Data Science, Machine Learning*

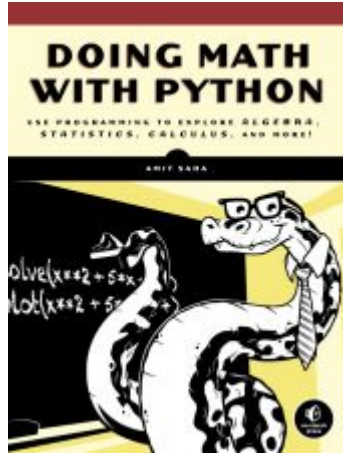
# Advanced Libraries

NumPy

Pandas

Statsmodels

scikit-learn



# Doing Math with Python

Use Programming to Explore Algebra, Statistics, Calculus, and More!

<http://doingmathwithpython.github.io/>

# Learn more

[O'Reilly Webcast](#)

[PyCon US 2016 Education Summit slides](#)

[Book resources](#) on GitHub

How others are finding the book useful [Book Reviews](#)

Freelancer.com is hiring!

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