Doing Math with Python

Amit Saha

@echorand

About me

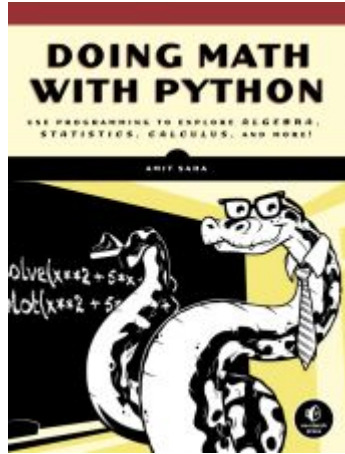Software Engineer at Freelancer.com in Sydney, Australia

Author of "Doing Math with Python"

Writes for Linux Magazines (Linux Voice, Linux Journal)

Contributor to SymPy, CPython, creator/maintainer of Fedora Scientific

Contact: @echorand, amitsaha.in@gmail.com

Blog: http://echorand.me

Doing Math with Python

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

http://doingmathwithpython.github.io/

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

Learn more

PyCon AU 2016 Education Seminar

O'Reilly Webcast

PyCon US 2016 Education Summit slides

Book resources on GitHub

How others are finding the book useful Book Reviews

Slides and Demos

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