Mindluster Platform

About the course Scientific Computing with Python

In the Scientific Computing with Python Certification, you'll learn Python fundamentals like variables, loops, conditionals, and functions. Then you'll quickly ramp up to complex data structures, networking, relational databases, and data visualization.

Programming Category's Courses

Course Lesson(91)

Lesson 1 : **Pandas for Data Analysis | SciPy 2017 Tutorial | Daniel Chen**

Lesson 2 : **Computational Statistics | SciPy 2017 Tutorial | Allen Downey**

Lesson 3 :
Dash A New Framework for Building User Interfaces for Technical Computing | SciPy 2017 | Chris Par

Lesson 4 :
Machine Learning with scikit learn Part One | SciPy 2017 Tutorial | Andreas Mueller Alexandre Gram

Lesson 5 :
Introduction to Numerical Computing with NumPy | SciPy 2017 Tutorial | Dillon Niederhut

Lesson 6 : **Fully Convolutional Networks for Image Segmentation | SciPy 2017 | Daniil Pakhomov**

Lesson 7 : **Numba Tell Those C Bullies to Get Lost | SciPy 2017 Tutorial | Gil Forsyth Lorena Barba**

Lesson 8 :
Deploying Interactive Jupyter Dashboards for Visualizing Hundreds of Millions of Datapoints in 30 L

Lesson 9 : **Anatomy of Matplotlib | SciPy 2017 Tutorial | Ben Root**

Lesson 10 :
The Jupyter Interactive Widget Ecosystem | SciPy 2017 Tutorial | Matt Craig Sylvain Corlay Jason

Lesson 11 :
Python and Tableau Building an Interactive and Beautiful Data Visualization with TabPy | SciPy 201

Lesson 12 : **Modern Optimization Methods in Python | SciPy 2017 Tutorial | Michael McKerns**

Lesson 13 :
Parallel Data Analysis in Python | SciPy 2017 Tutorial | Matthew Rocklin Ben Zaitlen Aron Ahmadia

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scikit image Image Processing for Python | SciPy 2017 Tutorial | StеIfan van der Walt Emmanuelle

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nbgrader A Tool for Creating and Grading Assignments in the Jupyter Notebook | SciPy 2017 | Jessic

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Automatic Code Generation with SymPy | SciPy 2017 Tutorial | Jason Aaron BjÃ¶rn Kenneth

Lesson 18 :
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Lesson 20 :
Cython for Data Scientists and Data Scientists | SciPy 2017 Tutorial | Dillon Niederhut Prabhu

Lesson 21 :
Interactive Data Visualization with HoloViews Bokeh | SciPy 2017 Tutorial | Jean Luc Stevens Bry

Lesson 22 :
Software Carpentry Scientific Python Course Part 1 | SciPy 2017 Tutorial | Maxim Belkin

Lesson 23 : **Parallelizing Scientific Python with Dask | SciPy 2017 Tutorial | James Crist**

Lesson 24 : **HDF5 take 2 h5py PyTables | SciPy 2017 Tutorial | Tom Kooij**

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Keynote Drilling the Chicxulub Impact Structure Study of Large Impact Formation and Effects

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pomegranate | Fast and Flexible Probabilistic Modeling in Python | SciPy 2017 | Jacob Schreiber

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SciSheets Providing the Power of Programming with the Simplicity of Spreadsheets | SciPy 2017 | Jo

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Signal Processing and Communications Hands On Using scikit dsp comm | SciPy 2017 Tutorial | Mark Wic

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Network Science and Statistics Fundamentals and Applications | SciPy 2017 Tutorial | Eric Ma

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bqplot Seamless Interactive Visualizations in the Jupyter Notebook | SciPy 2017 | Dhruv Madeka

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Terabytes at Your Fingertips Interactive Big Data Coding with PySpark | SciPy 2017 | Sam Penrose

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