



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 Ahmadi](#)

Lesson 14 : [scikit image Image Processing for Python | SciPy 2017 Tutorial | Steïfan van der Walt Emmanuelle](#)

Lesson 15 : [A Python API for Earth | SciPy 2017 | Sam Skillman](#)

Lesson 16 :

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

Lesson 17 : **Automatic Code Generation with SymPy | SciPy 2017 Tutorial | Jason Aaron Björn Kenneth**

Lesson 18 : **Machine Learning with scikit learn Part Two | SciPy 2017 Tutorial | Andreas Mueller Alexandre Gram**

Lesson 19 : **Dask Advanced Techniques | SciPy 2017 | Matthew Rocklin**

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**

Lesson 25 : **Keynote Drilling the Chicxulub Impact Structure Study of Large Impact Formation and Effects**

Lesson 26 : **pomegranate | Fast and Flexible Probabilistic Modeling in Python | SciPy 2017 | Jacob Schreiber**

Lesson 27 : **Keynote Coding for Science and Innovation | SciPy 2017 | Gaël Varoquaux**

Lesson 28 : **SciSheets Providing the Power of Programming with the Simplicity of Spreadsheets | SciPy 2017 | Jo**

Lesson 29 : **The Spyder Ecosystem of Plugins | SciPy 2017 | Carlos Cordoba**

Lesson 30 : **Scientific Analysis at Scale a Comparison of Five Systems | SciPy 2017 | Jake VanderPlas**

Lesson 31 : **Deep Learning with Geospatial Data | SciPy 2017 | Shane Grigsby**

Lesson 32 : **Signal Processing and Communications Hands On Using scikit dsp comm | SciPy 2017 Tutorial | Mark Wic**

Lesson 33 : **Network Science and Statistics Fundamentals and Applications | SciPy 2017 Tutorial | Eric Ma**

Lesson 34 : **bqplot Seamless Interactive Visualizations in the Jupyter Notebook | SciPy 2017 | Dhruv Madeka**

Lesson 35 : **Big Data Processing with Apache Beam Python | SciPy 2017 | Robert Bradshaw**

Lesson 36 : **Optimised Finite Difference Computation from Symbolic Equations | SciPy 2017 | Michael Lange**

Lesson 37 : **Sacred How I Learned to Stop Worrying and Love the Research | SciPy 2017 | Klaus Greff**

Lesson 38 : **Bringing the Generic Mapping Tools to Python | SciPy 2017 | Leonardo Uieda Paul Wessel**

Lesson 39 : **Keynote Academic Open Source | SciPy 2017 | Kathryn Huff**

Lesson 40 : **MatchPy A Pattern Matching Library | SciPy 2017 | Manuel Krebber**

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Learning in Cycles Implementing Sustainable Machine Learning Models in Production | SciPy 2017 | And

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Vizic A Jupyter Based Interactive Visualization Tool for Astronomical Catalogs | SciPy 2017 | Weix

Lesson 43 :

Pygridtools A Collaboration Academia Open Source and the Private Sector | SciPy 2017 | Paul Hobs

Lesson 44 : **Lightning Talks | SciPy 2017 | Wed July 12**

Lesson 45 : **Berryconda Scientific Python on the Raspberry Pi | SciPy 2017 | Jonathan Helmus**

Lesson 46 :

Stingray A Library of Time Series Methods for Astronomical X Ray Data | SciPy 2017 | Himanshu Mish

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Efficient Array Computing in C with xtensor and Apache Arrow | SciPy 2017 | Sylvain Corlay

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Efficient Image Search and Identification The Making of Wine O AI | SciPy 2017 | Michelle Gill

Lesson 49 : **Introducing JOSS The Journal of Open Source Software | SciPy 2017 | Kyle Niemeyer**

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Lesson 51 :

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

Lesson 52 : **Lightning Talks | SciPy 2017 | Fri July 14**

Lesson 53 :

MNE Python to See the Brain at a Millisecond Time Scale | SciPy 2017 | Alexandre Gramfort

Lesson 54 :

Make it Work Make it Right Make it Fast Debugging and Profiling in Dask | SciPy 2017 | James Cri

Lesson 55 : **Make Your Observational Study an Experiment | SciPy 2017 | Peter Skipper**

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Hunting for Emerging Trends in Music Using Bayesian Inference | SciPy 2017 | Alex Companioni

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The Demeshening The Next Generation of Particle Support in yt | SciPy 2017 | Goldbaum Lang

Lesson 58 : **Scientific MicroPython on Microcontrollers and IoT | SciPy 2017 | Roberto Colistete Jr**

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Software Carpentry Scientific Python Course Part 2 | SciPy 2017 Tutorial | Maxim Belkin

Lesson 60 : **HDF Data Services | SciPy 2017 | John Readey**

Lesson 61 :

Designing a Python based Monte Carlo Tool for Generating Non Equilibrium Semi Crystalline Polymer Co

Lesson 62 : **Lightning Talks | SciPy 2017 | Thurs July 13**

Lesson 63 :

Predicting Phenotype from Genotype with Machine Learning | SciPy 2017 | Patricia Francis Lyon

Lesson 64 :

Calculating Radiation Doses for Tumor Treatment with Learning Algorithms | SciPy 2017 | Roy Keyes

Lesson 65 : [**The OOF FiniteElement Tool for Materials Science | SciPy 2017 | Andrew Reid**](#)

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[**A Fast Template Periodogram for Finding Periodic Non Sinusoidal Waveforms in Noisy Irregularly Samp**](#)

Lesson 67 : [**LabbookDB | SciPy 2017 | Horea Ioan Ioanas**](#)

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[**Composable Multiprocessing and Multithreading for Numeric Libraries | SciPy 2017 | Anton Malakhov A**](#)

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Lesson 70 : [**Dataflow Notebooks Encoding and Using Cell Dependencies | SciPy 2017 | David Koop**](#)

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[**MetPy s Choice of Unit Support A Descent into Madness | SciPy 2017 | Ryan May John Leeman**](#)

Lesson 72 : [**Interactive Geophysics | SciPy 2017 | Lindsey Heagy**](#)

Lesson 73 :

[**Creating Reproducible Experiments with ReproZip | SciPy 2017 | Vicky Steeves Fernando Chirigati R**](#)

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[**Rambutan A Python Package for Predicting 3D Genome Architecture | SciPy 2017 | Jacob Schreiber**](#)

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[**pulse2percept A Python based Simulation Framework for Bionic Vision | SciPy 2017 | Michael Beyeler**](#)

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[**Robust Color Matching of Geospatial Data An Alternative to Histogram Matching | SciPy 2017 | Joe K**](#)

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[**Reskit â€” A Library for Creating and Curating Reproducible Pipelines for Scientific Machine Learning**](#)

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Lesson 81 : [**Distributed Convex Optimization for GLMs | SciPy 2017 | Chris White Hussain Sultan**](#)

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[**PyHRF A Python Library for the Analysis of fMRI Data Based on the Study of Hemodynamics | SciPy 20**](#)

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Materials Project A Prime Case of Software Engineering in Materials Sciences | SciPy 2017 | Patric

Lesson 88 :

WARNO Multi platform Monitoring Framework for Remote Sensing Instrumentation | SciPy 2017 | Joseph

Lesson 89 :

ChiantiPy a Python Package for Astrophysical Spectroscopy | SciPy 2017 | Will Barnes Kenneth Der

Lesson 90 : **Time Atmospheric Data During VORTEX SE | SciPy 2017 | Abby Kenyon Aaron Hill**

Lesson 91 : **Diversity Inclusion at the SciPy Conference | SciPy 2017 | Julie Hollek**

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React Projects Workshops

Node js back end JavaScript

Python programming language

Social Network Theme UI With Sass

Full Stack React Django

Build a Node js App With Sequelize



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