Mindluster Platform

About the course Scientific with Python Programming

Most Python distributions include the SciPy ecosystem (open source) which includes SciPy (a SciPy library), a numerical computation package called NumPy, and multiple independent toolkits, each known as a Scikits .

Programming Category's Courses

Course Lesson(95)

Lesson 1 :
Apache Arrow A Cross Language Development Platform for in Memory Data | SciPy 2018 | Wes McKinney

Lesson 2 :
Introduction to Python and Programming | SciPy 2018 Tutorial | Matt Davis Alyssa Whitwell

Lesson 3 : **Inside the Cheeseshop How Python Packaging Works | SciPy 2018 | Dustin Ingram**

Lesson 4 : **Detecting Anomalies Using Statistical Distances | SciPy 2018 | Charles Masson**

Lesson 5 :
Keynote SciPy 1 0 and Beyond A Story of Code and Community | SciPy 2018 | Ralf Gommers

Lesson 6 : **Connecting Scientific Models across Scales Languages w Python | SciPy 2018**

Lesson 7 :
An Introduction to Julia Beginner Level | SciPy 2018 Tutorial | Jane Herriman Sacha Verweij

Lesson 8 :
UMAP Uniform Manifold Approximation and Projection for Dimension Reduction | SciPy 2018 |

Lesson 9 :
PyViz Easy Visualization and Exploration for all your Data | SciPy 2018 Tutorial | James A Bednar

Lesson 10 :
Parallelizing Scientific Python with Dask | SciPy 2018 Tutorial | James Crist Martin Durant

Lesson 11 :
Addressing Multithreading Multiprocessing in Transparent Pythonic Methods | SciPy 2018 | David L

Lesson 12 : **The Jupyter Interactive Widget Ecosystem | SciPy 2018 Tutorial | Matt Craig**

Lesson 13 :
Anatomy of Matplotlib Beginner Level | SciPy 2018 Tutorial | Benjamin Root Hannah Aizenman

Lesson 14 :
Intro to Numerical Computing with NumPy Beginner | SciPy 2018 Tutorial | Alex Chabot Leclerc

Lesson 15 :
EarthSim Flexible Environmental Simulation Workflows Within Jupyter Notebooks | SciPy 2018

Lesson 16 : **3D Visualization with Mayavi | SciPy 2018 Tutorial | Prabhu Ramachandran**

Lesson 17 : **Convex Optimization in Python with CVXPY | SciPy 2018 | Steven Diamond**

Lesson 18 : **Sparse A More Modern Sparse Array Library | SciPy 2018 | Hameer Abbasi**

Lesson 19 :
Using Python to Assess Serial Holdings Data in the Research Library | SciPy 2018 | Kelly Thompson

Lesson 20 :
Network Analysis Made Simple Network Fundamentals | SciPy 2018 Tutorial | Eric Ma Mridul Seth

Lesson 21 : **Information Extraction Using Topic Models | SciPy 2018 Tutorial | Parul Sethi**

Lesson 22 :
Scikit build A Build System Generator for CPython C C Fortran Cython Extensions | SciPy 2018

Lesson 23 : **Keynote Democratizing Data | SciPy 2018 | Tracy Teal**

Lesson 24 : **Scalable Feature Extraction with Aerial and Satellite Imagery | SciPy 2018 | Virginia Ng**

Lesson 25 :
Website for Interacting w Oceanographic Data Numerical Model Output | SciPy 2018 | Kristen Thyng

Lesson 26 :
Beyond Scraping How to Use Machine Learning When You re not Sure Where to Start | SciPy 2018

Lesson 27 :
GeoBIPy Geophysical Bayesian Inference in Python | SciPy 2018 | Leon Foks and Burte Minsley

Lesson 28 :
The Past Present and Future of Automated Machine Learning | SciPy 2018 | Randal Olson

Lesson 29 :
Building an Object Oriented Python Interface for the Generic Mapping Tools | SciPy 2018 | Uieda

Lesson 30 : **Resurrecting Ancient Proteins in Python | SciPy 2018 | Zachary Sailer Jeremy Anderson**

Lesson 31 :
Should this Drug be Approved A Bayesian s Answer with Stan | SciPy 2018 | Corvellec Vamvourellis

Lesson 32 : **Practical Applications of Astropy | SciPy 2018 | David Shupe**

Lesson 33 : **Physics A Gateway to Bayesian Deep Learning | SciPy 2018 | Henri Palacci**

Lesson 34 : **Ray A Distributed Execution Framework for AI | SciPy 2018 | Robert Nishihara**

Lesson 35 : **Sneaking Data into Containers with the Whole Tale | SciPy 2018 | Kacper Kowalik**

Lesson 36 :
Jupyter Notebook Driven Development with PYNT PYthon iNTeractive | SciPy 2018 | Moss

Lesson 37 : **Yaksh Facilitating Learning by Doing | SciPy 2018 | Prabhu Ramachandran**

Lesson 38 :
SimuPy A Python Framework for Modeling and Simulating Dynamical Systems | SciPy 2018 | Margolis

Lesson 39 :
signac A Python Framework for Data and Workflow Management | SciPy 2018 | Vyas Ramasubramani

Lesson 40 :
Resonance Learning Mechanical Vibrations Through Computational Thinking | SciPy 2018 | Lyons

Lesson 41 :
Interactive Data Visualization Leveraging Jupyter Rust and WebAssembly | SciPy 2018 | Munk

Lesson 42 : **Interactive 3D Visualization in Jupyter | SciPy 2018 | Maarten Breddels**

Lesson 43 :
Exploring Molecular Space with Deep Generative Models and Python | SciPy 2018 | Sanchez Lengeling

Lesson 44 :
Evolutionary Niching in the GAtor Genetic Algorithm for Molecular Crystal Structure | SciPy 2018

Lesson 45 :
Re usable Open Educational Modules for Engineering Undergraduates | SciPy 2018 | Lorena Barba

Lesson 46 : **Development of MetPy s Declarative Plotting Interface | SciPy 2018 | May Leeman**

Lesson 47 :
Design and Implementation of pyPRISM A Polymer Liquid State Theory Framework | SciPy 2018 | Martin

Lesson 48 :
Building a Weather App using NOAA Open Data Jupyter Notebooks | SciPy 2018 | Fernandes Signell

Lesson 49 :
bqplot Seamless Interactive Visualizations and Dashboards in the Jupyter Notebook | SciPy 2018

Lesson 50 : **scikit learn and Tabular Data Closing the Gap | SciPy 2018 | Joris Van den Bossche**

Lesson 51 : **Scalable Machine Learning with Dask | SciPy 2018 | Augspurger Grisel**

Lesson 52 : **Safe Handling Instructions for Missing Data | SciPy 2018 | Dillon Niederhut**

Lesson 53 :
Recipe2Vec How word2vec Helped us Discover Related Tasty Recipes | SciPy 2018 | Meghan Heintz

Lesson 54 : **Parsl Enabling Scalable Interactive Computing in Python | SciPy 2018 | Kyle Chard**

Lesson 55 :
KubeFlow Pythonic Machine Learning at Scale on Kubernetes | SciPy 2018 | Bailey Aronchick

Lesson 56 :
KEYNOTE Role of Python in Recent Gravitational Wave Astronomy Breakthroughs | SciPy 2018

Lesson 57 :
Spatio Temporal Analysis of Socioeconomic Neighborhoods | SciPy 2018 | Rey Knapp Wolf

Lesson 58 : **Reproducible Environments for Reproducible Results | SciPy 2018 | Zhang Macdonald**

Lesson 59 : **Open Source Tools for Heterogeneous Agent Modeling | SciPy 2018 | Carroll and White**

Lesson 60 : **Data Visualization for Scientific Discovery | SciPy 2018 | Zan Armstrong**

Lesson 61 : **Bringing ipywidgets Support to plotly py | SciPy 2018 | Jon Mease**

Lesson 62 :
Binder 2 0 Next Gen of Reproducible Scientific Environments w repo2docker BinderH | SciPy 2018

Lesson 63 : **Hands on Satellite Imagery Analysis | SciPy 2018 Tutorial | Sara Safavi Dana Bauer**

Lesson 64 :
Performing Dimension Reduction at Scale with Applications to Public Sentiment Models | SciPy 2018

Lesson 65 :
PyDASL Understanding Big Data Through GPU Accelerated Graph Analytics | SciPy 2018 | Anne Struble

Lesson 66 :

Cloudknot A Python Library to Run your Existing Code on AWS Batch | SciPy 2018 | Richie Halford

Lesson 67 : **Devops Empowered Data Science with Ansible | SciPy 2018 | Tim Hopper**

Lesson 68 : **SatPy A Python Library for Weather Satellite Processing | SciPy 2018 | David Hoese**

Lesson 69 :
Harnessing the Power of Scientific Python | SciPy 2018 | Noelle Held and Jaclyn Saunders

Lesson 70 : **Pangeo A Big Data Ecosystem for Scalable Earth System Science | SciPy 2018 | Hamman**

Lesson 71 :
ITK The Insight Segmentation and Registration Toolkit | SciPy 2018 | Matthew McCormick

Lesson 72 : **pyQuil Easy Hybrid Quantum Programming | SciPy 2018 | Guenevere Prawiroatmodjo**

Lesson 73 :
Software Engineering Techniques Beginner Level | SciPy 2018 Tutorial | Matt Davis Alyssa Whitwell

Lesson 74 :
Around the World in 80 Ways An Introduction to Working w Geodata Cartopy | SciPy 2018 Tutorial

Lesson 75 :
Image Analysis in Python with SciPy and scikit image | SciPy 2018 Tutorial | Stefan van der Walt

Lesson 76 : **Introduction to Geospatial Data Analysis with Python | SciPy 2018 Tutorial | Serge Rey**

Lesson 77 :
pandas head to tail Beginner | SciPy 2018 Tutorial | Niederhut Augspurger Van den Bossche

Lesson 78 : **Scientific MicroPython on Microcontrollers | SciPy 2018 Tutorial | Roberto Colistete Jr**

Lesson 79 : **Machine Learning with scikit learn Part 2 | SciPy 2018 Tutorial | Lemaitre and Grisel**

Lesson 80 :
Setting Up Your Own Open Source Project | SciPy 2018 Tutorial | Ryan May John Leeman

Lesson 81 : **The Sheer Joy of Packaging | SciPy 2018 Tutorial | Sarahan McCormick Fillion Robin**

Lesson 82 : **Getting Started with TensorFlow and Deep Learning | SciPy 2018 Tutorial | Josh Gordon**

Lesson 83 :
Image Analysis in Python with SciPy and scikit image | SciPy 2018 Tutorial | Stefan van der Walt

Lesson 84 :
Around the World in 80 Ways An Introduction to Working w Geodata Cartopy | SciPy 2018 Tutorial

Lesson 85 : **Lightning Talks Day 1 | SciPy 2018**

Lesson 86 : **SciPy Tools Plenary Session Day 3 | SciPy 2018**

Lesson 87 : **SciPy Tools Plenary Session Day 1 | SciPy 2018**

Lesson 88 : **SciPy Tools Plenary Session Day 2 | SciPy 2018**

Lesson 89 :
Bayesian Data Science Two Ways Simulation and Probabilistic Programming | SciPy 2018 Tutorial

Lesson 90 : **Lightning Talks Day 2 | SciPy 2018**

Lesson 91 : **Getting Started with JupyterLab Beginner Level | SciPy 2018 Tutorial | Jason Grout**

Lesson 92 : **Machine Learning with Scikit Learn Part 1 | SciPy 2018 Tutorial | Lemaitre and Grisel**

Lesson 93 : **PyViz Unifying Python Tools for In Browser Data Visualization | SciPy 2018**

Lesson 94 : **Lightning Talks Day 3**

Lesson 95 :
Bias Diversity Backlash Manifestos and Rebuttals | SciPy 2018 Diversity Luncheon | Lorena Barba

Related courses

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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