



# Python Training – Data Science (Numpy Pandas Matplotlib)

## tool

Install the Anaconda distribution

## Python for scientific computing: Numpy

Introduction to Numpy

Create ndarray objects

Data selection

Add, edit, delete items

Use numpy functions

Enter exit

## Manipulating data with Pandas

Series objects

DataFrames objects

Data selection

Aggregation functions

Merge, Join, Remodeling

Use lambda functions

Make a dynamic crossover (Pivot Table)

Manipulate excel data (csv) and json

## Visualize data with Matplotlib

2D curve display

Point cloud display

Histogram display

Web API

Request to an API

Get the answer

Treat the answer

Application: API Twitter, analyze and visualize in time

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