



Une superbe présentation de

Jupyter

Jupyter est une application open source

L'outil Jupyter est composé de :

1. **Jupyter notebook**
2. **JupyterLab**
3. **Jupyter Consol**
4. **Qt console.**

```
1  #%% md
2
3  ## Write a formula
4
5  $c = \sqrt{a^2 + b^2}$
6
7  #%% md
8
9  ## Draw a scatter chart
10
11 #%%
12
13 import ...
14
15 N = 20
16 x = np.random.rand(N)  N: 20
17 print('X-axis values:\n', x)  x: {ndarray: (20,)}
18 y = np.random.rand(N)  N: 20
19 print('Y-axis values:\n', y)  y: {ndarray: (20,)}
20
21
22 #%% code
```

Write a formula

$$c = \sqrt{a^2 + b^2}$$

Draw a scatter chart

```
4 import numpy as np
import matplotlib.pyplot as plt

N = 20
x = np.random.rand(N)
print('X-axis values:\n', x)
y = np.random.rand(N)
print('Y-axis values:\n', y)

X-axis values:
```

```
1 N = {int} 20
2 area = {ndarray: (20,)} [ 48.72203933 2062.14825598 997.90253015 152.85218476 2494.5300119, 423.17321033 687.26957251 891.9792298 170.17449852 813.05551135, 65....View as Array
3 colors = {ndarray: (20,)} [0.88845995 0.58571858 0.35230751 0.58741305 0.91950867 0.27928445, 0.387944 0.50382959 0.76960492 0.92649967 0.38182864 0.8352972, 0.5115....View as Array
4 x = {ndarray: (20,)} [0.33261835 0.63119016 0.50542995 0.27863948 0.56295504 0.58793002, 0.67978893 0.40284084 0.48756351 0.37355871 0.33196933 0.78113828, 0.582268....View as Array
5 y = {ndarray: (20,)} [0.98007343 0.21980076 0.85083091 0.95719335 0.94687134 0.03050174, 0.66119853 0.40145986 0.58455203 0.18170648 0.03498327 0.60856864, 0.4533006....View as Array
6 Special Variables
```


Pour aller plus loin

Sources:

<https://jupyter.org/>

<https://www.actuia.com/contribution/jlqueguiner/data-buzzword-8-jupyter-avec-sylvain-corlay/>

<https://jupyter-notebook.readthedocs.io/en/stable/>

