

format

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1 Format

L'idée est de tester l'output d'un notebook dans un "beau" document scientifique. I.e.: données dans des tableaux, computation masquée.

Output en PDF * on peut créer un pdf à partir du notebook, voir README

Variables dans markdown * [extension Jupyter](#) * [installation](#)

Formatter output en HTML * [Dataframe en HTML](#)

```
In [1]: h = ['a', 'b', 'c', 'd']
```

```
In [12]: table = '<table>'
         for i in h:
             table += '<th>{}</th>'.format(i)
         table += '</table>'
         table
```

```
Out[12]: '<table><th>a</th><th>b</th><th>c</th><th>d</th></table>'
```

```
In [7]: import numpy as np
         import pandas as pd
```

```
df = pd.DataFrame(np.arange(12.).reshape((3,4)))
df
```

```
Out[7]:    0  1  2  3
0  0  1  2  3
1  4  5  6  7
2  8  9 10 11
```

```
In [8]: from IPython.display import display, HTML
```

```
display(df)

0  1  2  3
0  0  1  2  3
1  4  5  6  7
2  8  9 10 11
```

```
In [9]: HTML(df.to_html())
```

```
Out[9]: <IPython.core.display.HTML object>
```

```
In [10]: df.to_html()
```

```
Out[10]: '<table border="1" class="dataframe">\n  <thead>\n    <tr style="text-align: right;">\n      <th>\n    </th>\n  </thead>\n  <tbody>\n    <tr>\n      <td>0</td>\n      <td>1</td>\n      <td>2</td>\n      <td>3</td>\n    </tr>\n    <tr>\n      <td>4</td>\n      <td>5</td>\n      <td>6</td>\n      <td>7</td>\n    </tr>\n    <tr>\n      <td>8</td>\n      <td>9</td>\n      <td>10</td>\n      <td>11</td>\n    </tr>\n  </tbody>\n</table>'
```

```
In [13]: HTML(table)
```

```
Out[13]: <IPython.core.display.HTML object>
```