

chsh_graphs

May 19, 2022

1 Cheat Sheet on Graphs

Links, pointers on many plotting libraries.

```
[1]: from jupyterlab import add_notebook_menu
      add_notebook_menu()
```

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

1.1 Notebook start

To include graphs in a notebook, many modules require to execute a line before it is imported.

`matplotlib`

```
[2]: %matplotlib inline
```

Changing style

```
[3]: import matplotlib.pyplot as plt
      plt.style.use('ggplot')
```

Available styles:

```
[4]: plt.style.available
```

```
[4]: ['bmh',
      'classic',
      'dark_background',
      'fast',
      'fivethirtyeight',
      'ggplot',
      'grayscale',
      'seaborn-bright',
      'seaborn-colorblind',
      'seaborn-dark-palette',
      'seaborn-dark',
      'seaborn-darkgrid',
      'seaborn-deep',
      'seaborn-muted',
      'seaborn-notebook',
      'seaborn-paper',
      'seaborn-pastel',
      'seaborn-poster',
```

```
'seaborn-talk',
'seaborn-ticks',
'seaborn-white',
'seaborn-whitegrid',
'seaborn',
'Solarize_Light2',
'tableau-colorblind10',
'_classic_test']
```

bokeh

```
[5]: import bokeh.plotting as bplt
      bplt.output_notebook()
```

pyecharts

```
[6]: import pyecharts
```

1.2 Change style

Only with matplotlib

```
[7]: import matplotlib.pyplot as plt
      plt.style.use('ggplot')
```

1.3 If you want to draw a...

1.3.1 Basic graph as images

- [matplotlib](#)
- [pandas.DataFrame.plot](#)

1.3.2 Basic graphs as javascript

- [bokeh](#)
- [pygal](#)
- [C3.js](#)
- [pyecharts](#)

1.3.3 Animated graphs

- [bokeh](#)

1.3.4 Maps

- [cartopy](#)
- [folium](#)

1.3.5 Statistical graphs

- [seaborn](#)

1.3.6 Networks

- [networkx](#)
- [graphviz](#)

1.3.7 More

- [10 plotting librairies](#)

1.4 Notebooks and Python

- [Graphes - énoncé \(French\)](#)
- [Rappel de ce que vous savez déjà mais avez peut-être oublié](#)

[8] :