

Manip 4: Utilisation de Matplotlib

```
In [8]: import glob  
import numpy as np  
import matplotlib.pyplot as plt  
import os  
filenames=glob.glob("*.csv")  
listing=filenames[0:3]
```

```
In [9]: for f in listing:
    print (f)
    data = np.loadtxt(fname=f, delimiter=',')
    fig = plt.figure(figsize=(10.0, 3.0))

    # séparer en 1 ligne et 3 colonnes pour le placement
    axes1 = fig.add_subplot(1, 3, 1)
    axes2 = fig.add_subplot(1, 3, 2)
    axes3 = fig.add_subplot(1, 3, 3)

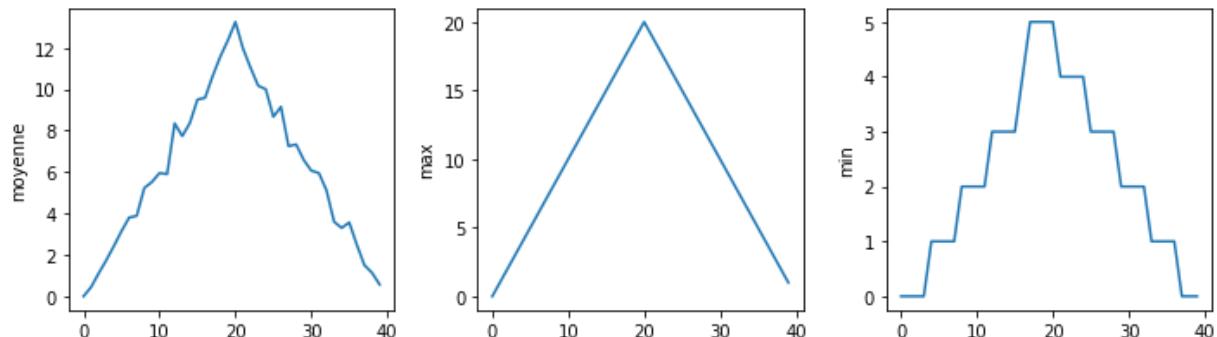
    axes1.set_ylabel('moyenne')
    axes1.plot(data.mean(axis=0))

    axes2.set_ylabel('max')
    axes2.plot(data.max(axis=0))

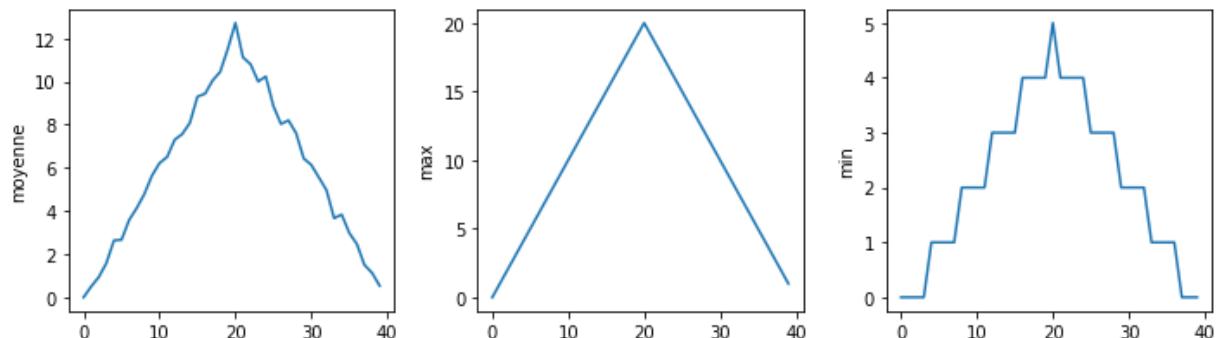
    axes3.set_ylabel('min')
    axes3.plot(data.min(axis=0))

    fig.tight_layout()
    plt.show(fig)
```

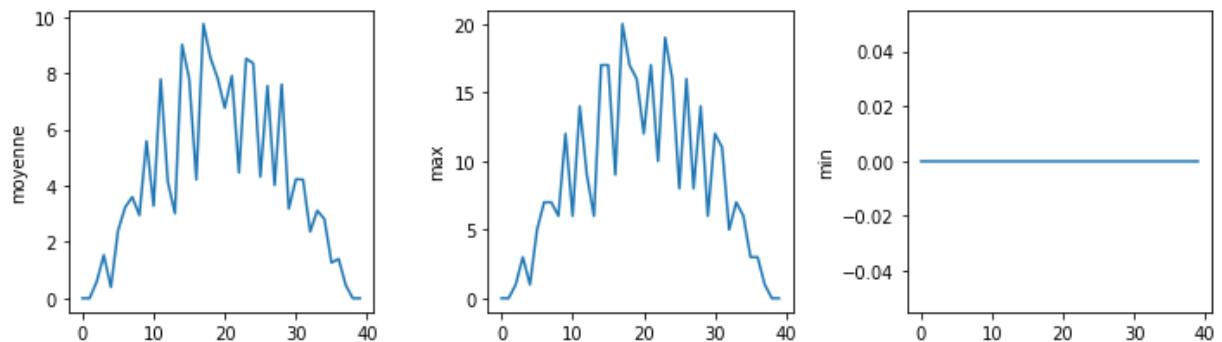
inflammation-01.csv



inflammation-02.csv



inflammation-03.csv



In []: