

## exercice

October 22, 2022

```
[2]: import matplotlib.pyplot as plt
import numpy as np

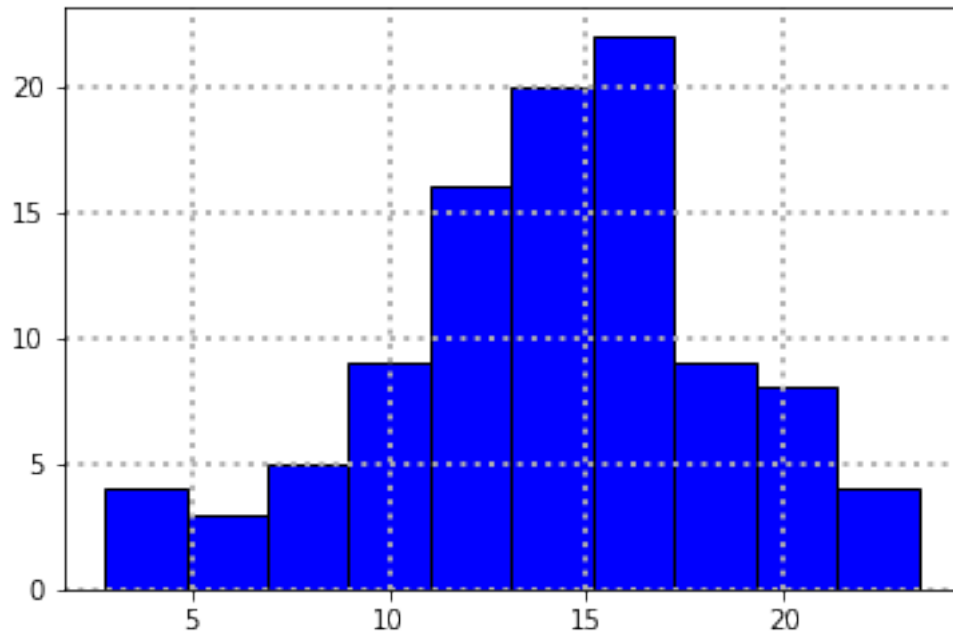
dataset = [14.0, 7.6, 11.2, 12.8, 12.5, 9.9, 14.9, 9.4, 16.9, 10.2, 14.9, 18.1,
↪ 7.3, 9.8, 10.9, 12.2, 9.9, 2.9, 2.8, 15.4, 15.7, 9.7, 13.1, 13.2, 12.3, 11.7,
↪ 16.0, 12.4, 17.9, 12.2, 16.2, 18.7, 8.9, 11.9, 12.1, 14.6, 12.1, 4.7, 3.9,
↪ 16.9, 16.8, 11.3, 14.4, 15.7, 14.0, 13.6, 18.0, 13.6, 19.9, 13.7, 17.0, 20.
↪ 5, 9.9, 12.5, 13.2, 16.1, 13.5, 6.3, 6.4, 17.6, 19.1, 12.8, 15.5, 16.3, 15.
↪ 2, 14.6, 19.1, 14.4, 21.4, 15.1, 19.6, 21.7, 11.3, 15.0, 14.3, 16.8, 14.0, 6.
↪ 8, 8.2, 19.9, 20.4, 14.6, 16.4, 18.7, 16.8, 15.8, 20.4, 15.8, 22.4, 16.2, 20.
↪ 3, 23.4, 12.1, 15.5, 15.4, 18.4, 15.7, 10.2, 8.9, 21.0]
```

```
[11]: plt.hist(dataset,
             histtype='bar',
             facecolor='b',
             edgecolor='k')

plt.rc('grid', linestyle='-', linewidth=1)
plt.grid(True)

plt.show
```

```
[11]: <function matplotlib.pyplot.show(*args, **kw)>
```



```
[53]: i = 0
      xAxis = []

      for element in dataset:
          xAxis.append(i)
          i += 1

      plt.plot(xAxis,
               dataset,
               color='b',
               linewidth=1)

      plt.rc('grid', linestyle='--', linewidth=1)
      plt.grid(True)

      plt.show()
```

