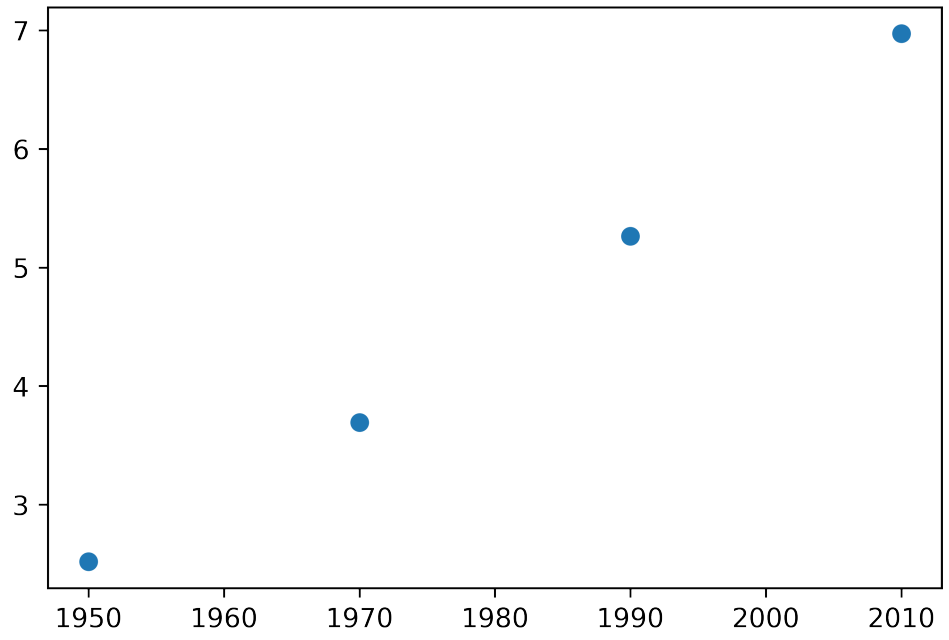
matplotlib

December 13, 2023

[ ]:
```
import matplotlib.pyplot as plt
import numpy as np
# random heighs and weights
heights = np.round(np.random.normal(1.75, 0.20, 100), 2)
weights = np.round(np.random.normal(60.32, 15, 100), 2)
year = [1950, 1970, 1990, 2010]
pop = [2.519, 3.692, 5.263, 6.972]
plt.rcParams['figure.dpi'] = 600  # Increase the DPI to 600
```

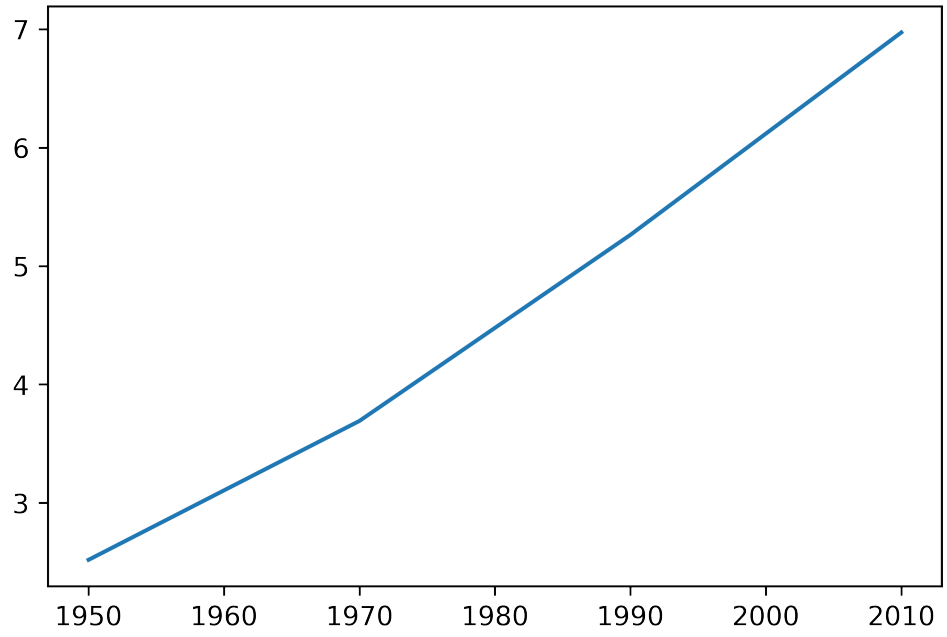
0.0.1 Scatter plot of two data points

[ ]:
```
plt.scatter(year,pop)
plt.show()
```



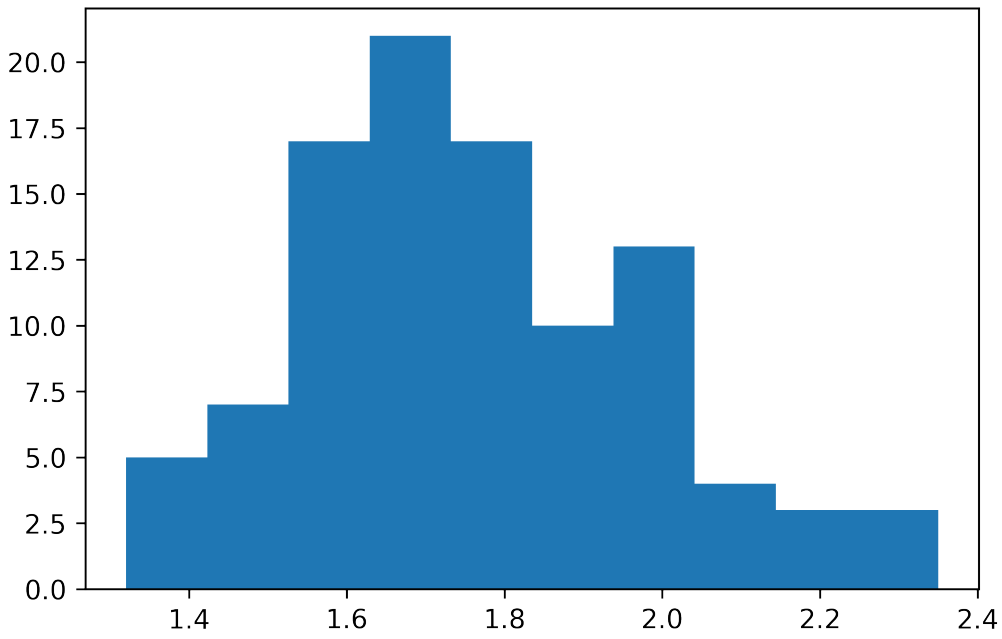
0.0.2 Line Graph

[ ]:
```
plt.plot(year, pop)
plt.show()
```



0.0.3 Histogram

[ ]:
```
plt.hist(heights)
plt.show()
```


20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
1.4
1.6
1.8
2.0
2.2
2.4