



INTRO TO PYTHON FOR DATA SCIENCE

Basic Plots with Matplotlib

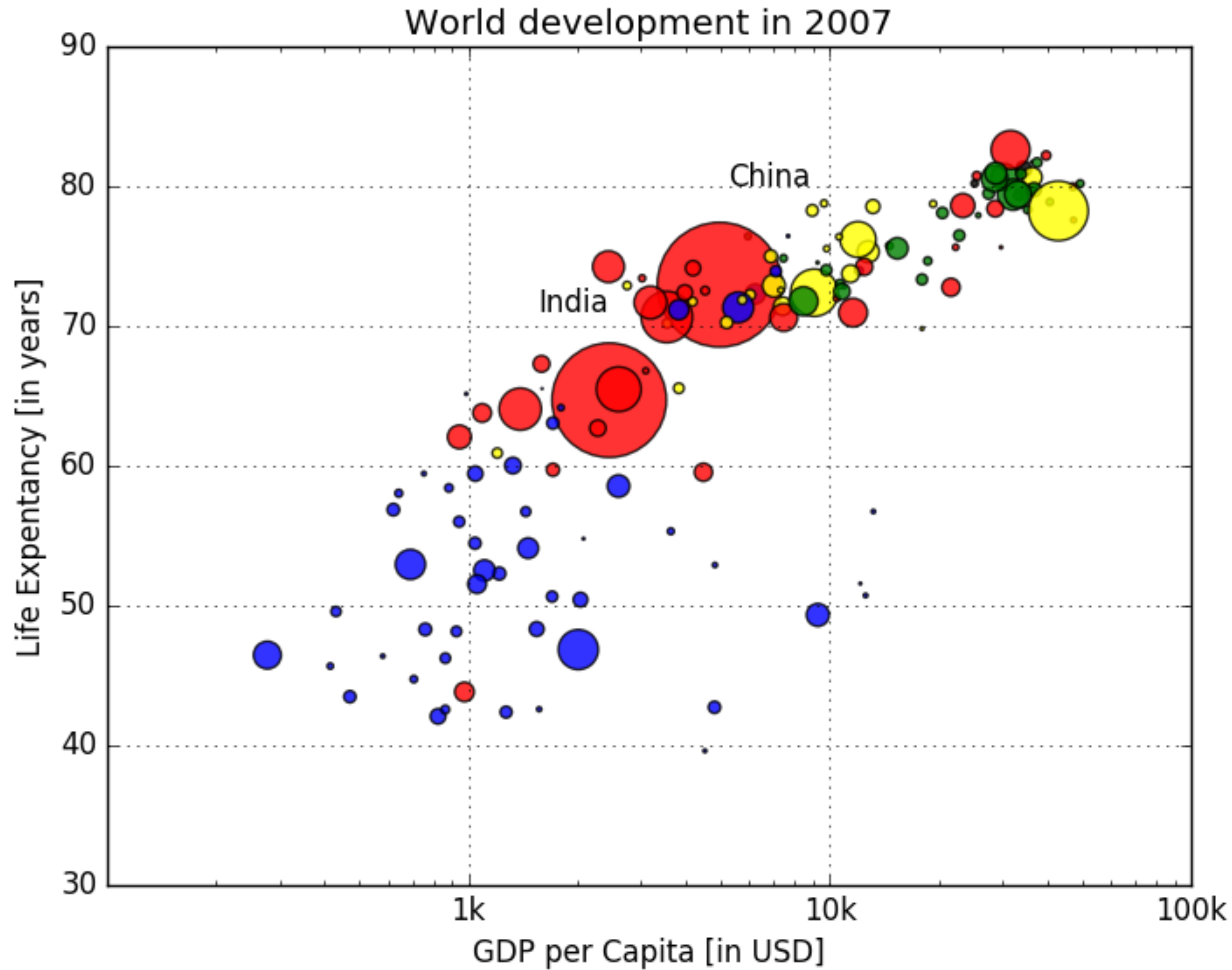


Data Visualization

- Very important in Data Analysis
 - Explore data
 - Report insights



Example





Matplotlib

```
In [1]: import matplotlib.pyplot as plt
```

```
In [2]: year = [1950, 1970, 1990, 2010]
```

```
In [3]: pop = [2.519, 3.692, 5.263, 6.972]
```

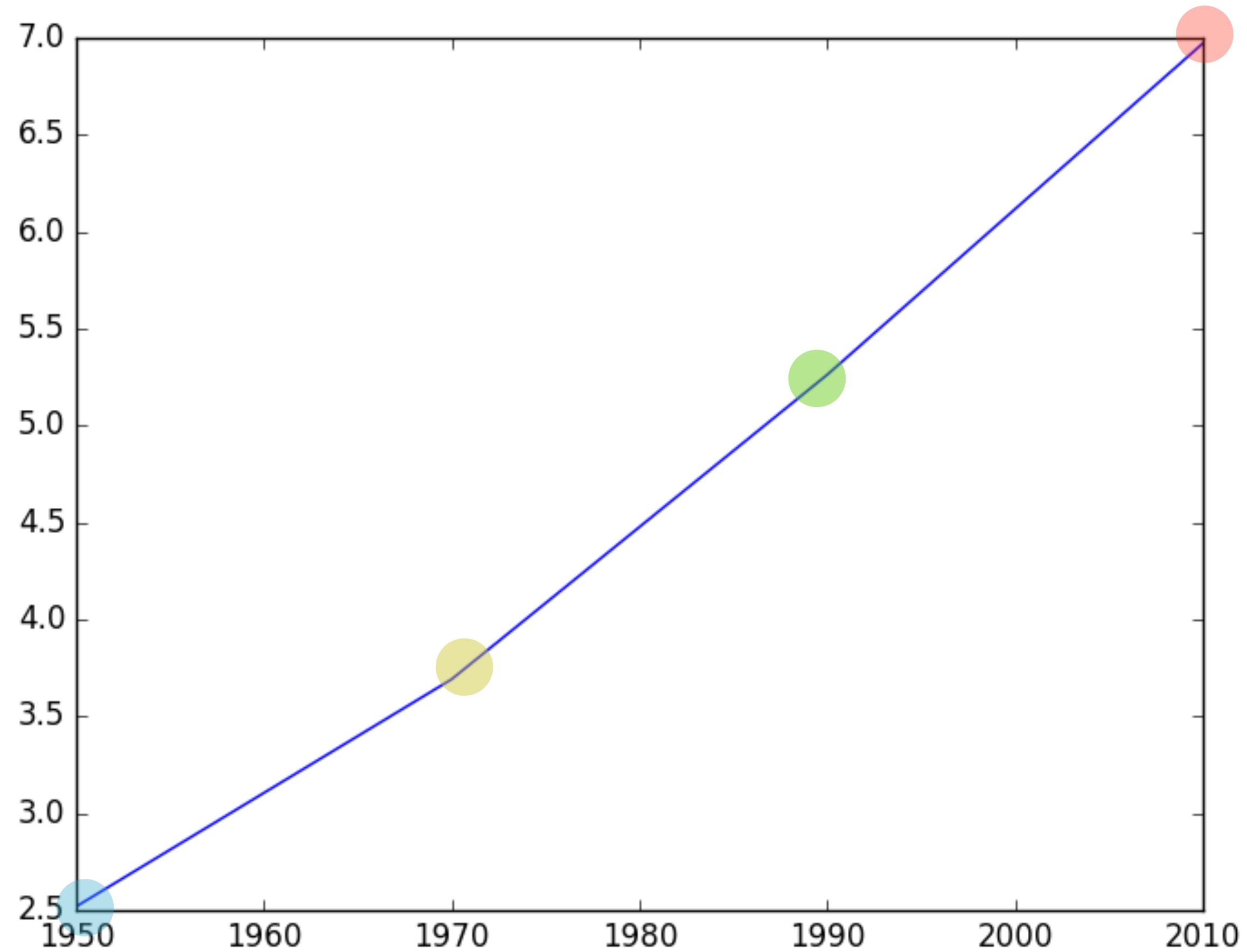
```
In [4]: plt.plot(year, pop)
```

```
In [5]: plt.show()
```



Matplotlib

```
year = [1950, 1970, 1990, 2010]  
pop = [2.519, 3.692, 5.263, 6.972]
```

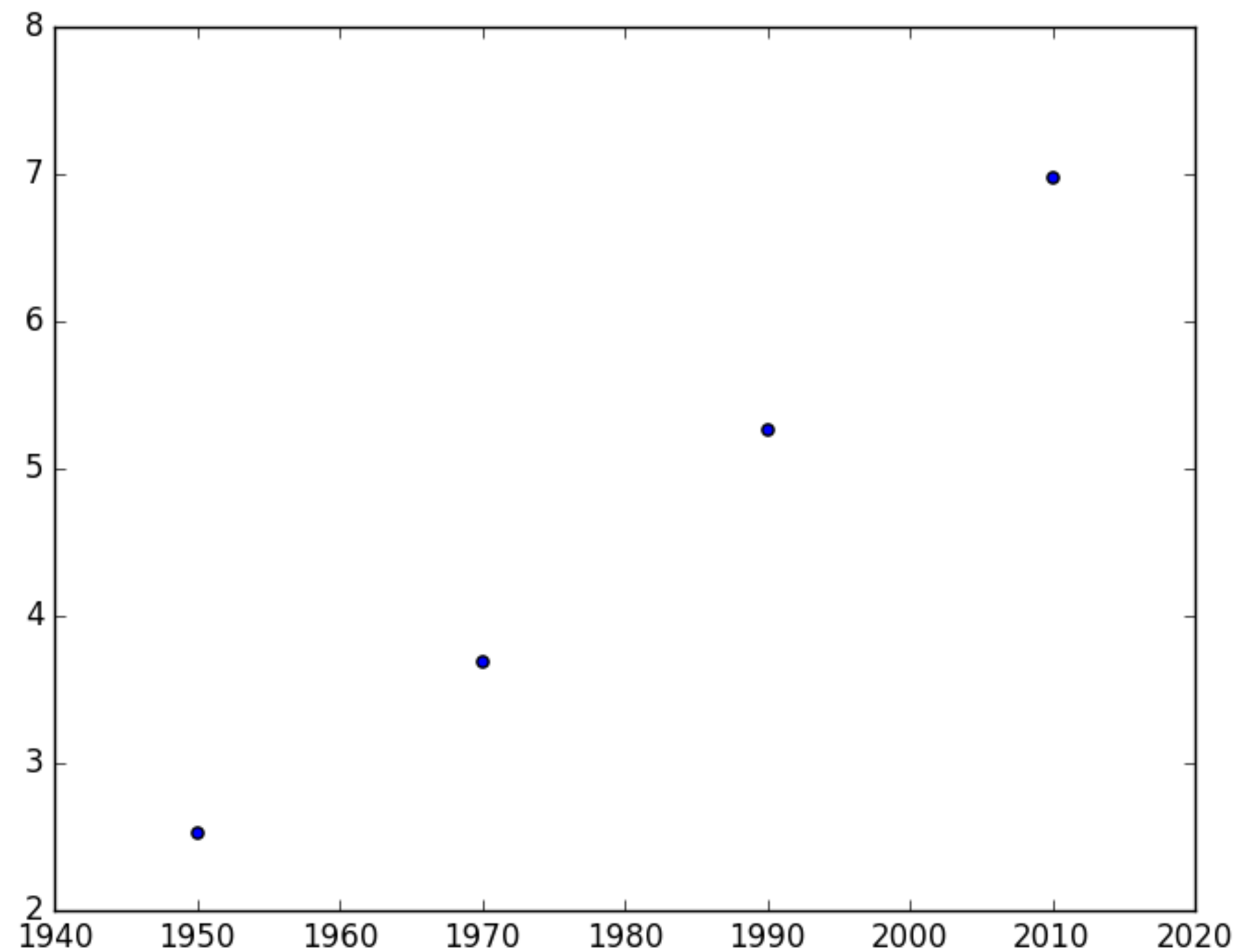




Scatter plot

```
In [6]: plt.scatter(year, pop)
```

```
In [7]: plt.show()
```





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Let's practice!