

Exercise 2.2: Line and Step Charts

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Plots Using Python

Load Data

```
In [1]: # Load libraries
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

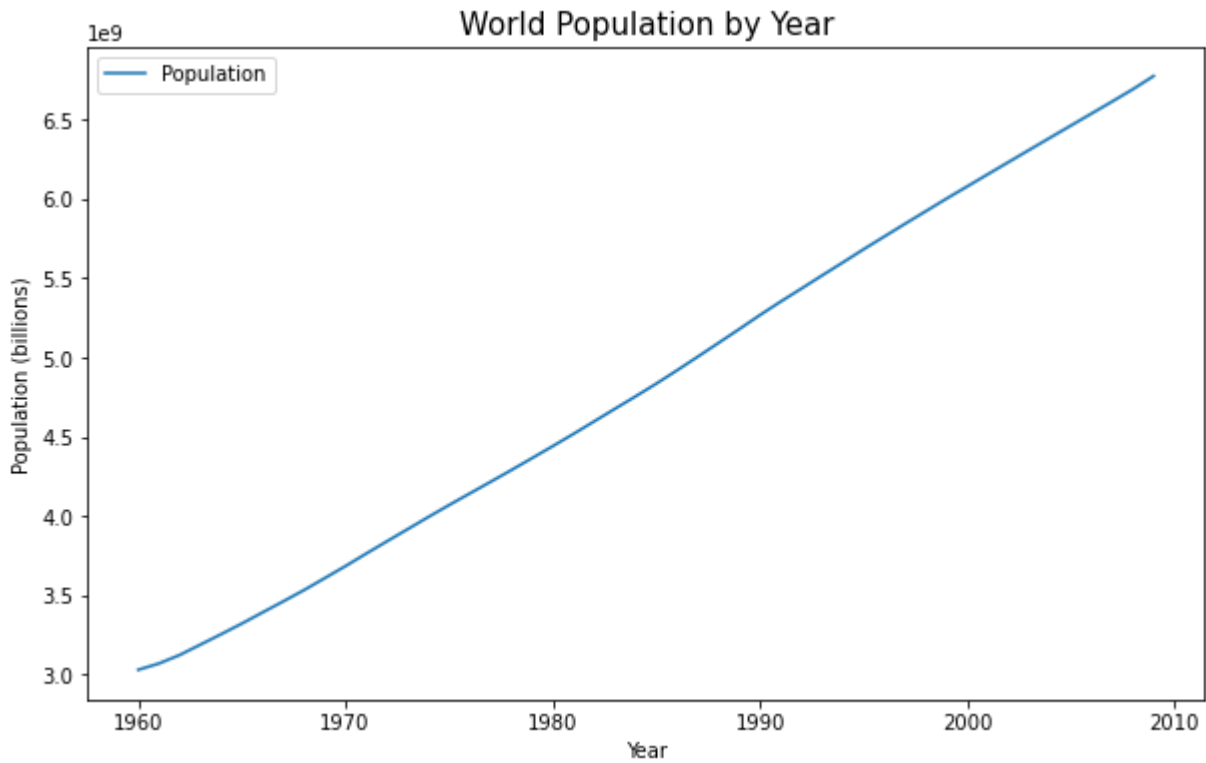
```
In [2]: # Load data
popDF = pd.read_excel('world-population.xlsm')
```

Line Chart

```
In [4]: # Set up Line chart
popDF.plot(kind='line', x='Year', y='Population', figsize=(10, 6),
           xlabel='Year', ylabel='Population (billions)')

# Set up chart title
plt.title("World Population by Year", fontsize = 15)
```

```
Out[4]: Text(0.5, 1.0, 'World Population by Year')
```

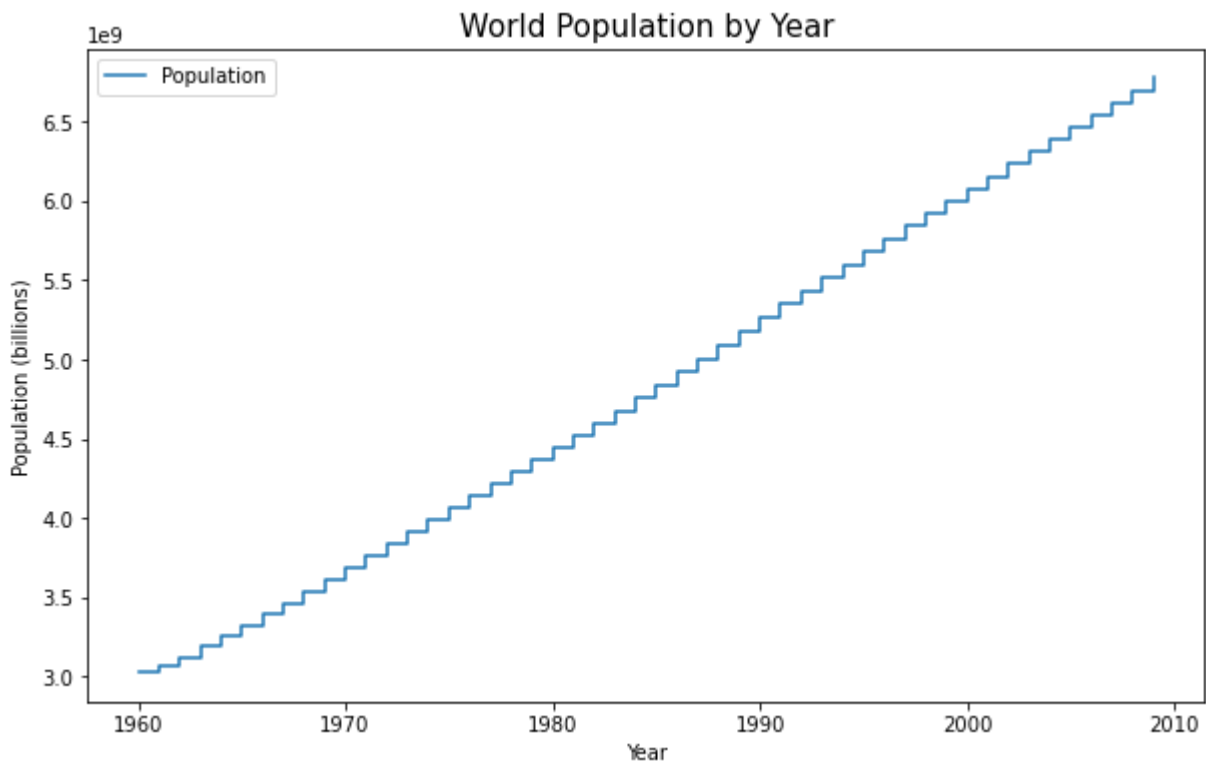


Step Chart

```
In [11]: # Set up step chart
popDF.plot(kind='line', drawstyle='steps-post', x='Year', y='Population', figsize=(10, 6),
           xlabel='Year', ylabel='Population (billions)')

# Set up chart title
plt.title("World Population by Year", fontsize = 15)
```

Out[11]: Text(0.5, 1.0, 'World Population by Year')



```
In [ ]:
```