

How can I increase the plot size in Matplotlib?

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Matplotlib is a popular library used for creating visualizations in Python. To increase the plot size in Matplotlib, one can use the "figure" function to create a new figure object and specify the desired size using the "figsize" parameter. This will allow for a larger canvas to display the plot and provide better readability. Additionally, the "subplots_adjust" function can be used to adjust the spacing between subplots, further enhancing the overall plot size. By using these functions, one can easily increase the plot size in Matplotlib to create more visually appealing and informative graphs.

Increase Plot Size in Matplotlib

You can use the following syntax to increase the size of a single plot in Matplotlib:

```
import matplotlib.pyplot as plt
```

```
#define figure size in (width, height) for a single plot  
plt.figure(figsize=(3,3))
```

And you can use the following syntax to increase the size of *all* Matplotlib plots in a notebook:

```
import matplotlib.pyplot as plt
```

```
#define figure size in (width, height) for all plots  
plt.rcParams =
```

The following examples show how to use this syntax in practice.

Example 1: Increase Size of a Single Matplotlib Plot

Suppose we create the following line plot in Matplotlib:

```
import matplotlib.pyplot as plt
```

```
#define x and y
```

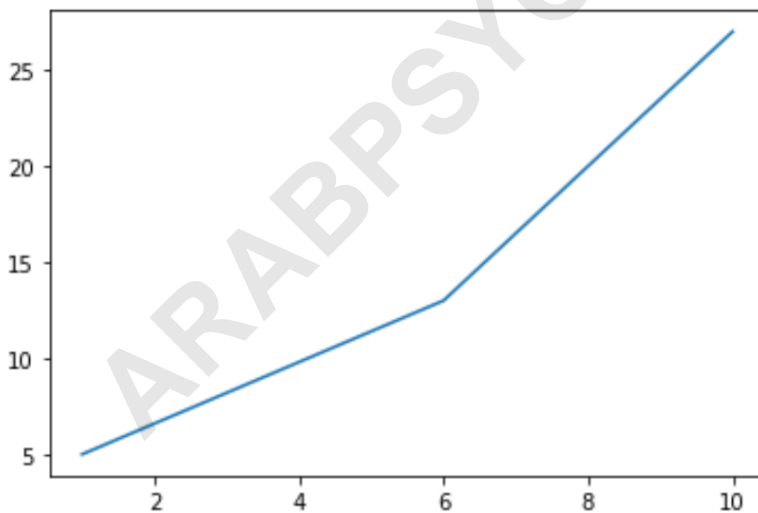
```
x =
```

```
y =
```

```
#create plot of x and y
```

```
plt.plot(x, y)
```

```
plt.show()
```



By default, the (width, height) of a Matplotlib plot is (6.4, 4.8).

However, we can use the following syntax to increase the plot size to whatever dimensions we'd like:

```
import matplotlib.pyplot as plt
```

```
#define plot size
```

```
plt.figure(figsize=(5,8))
```

```
#define x and y
```

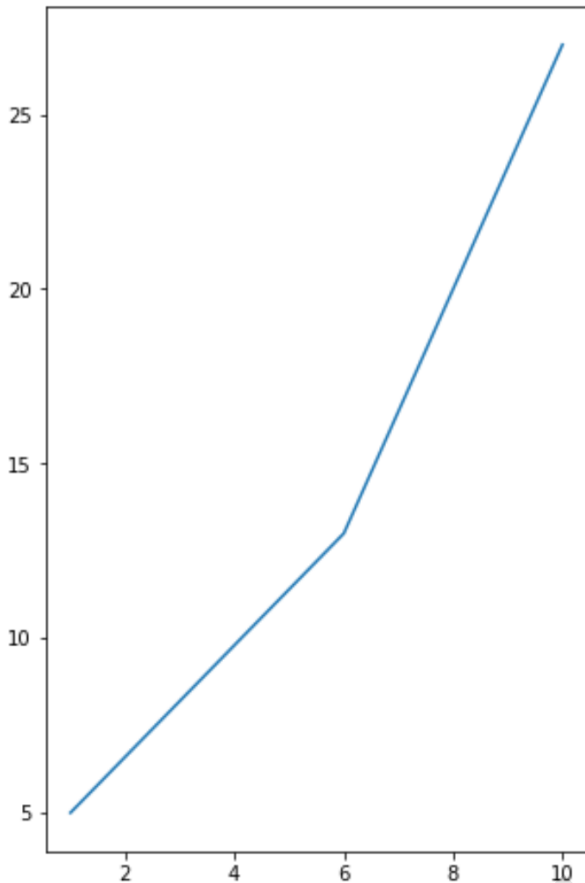
```
x =
```

```
y =
```

```
#create plot of x and y
```

```
plt.plot(x, y)
```

```
plt.show()
```



Example 2: Increase Size of All Matplotlib Plots

The following code shows how to set the plot size for *all* Matplotlib plots in a notebook:

```
import matplotlib.pyplot as plt
```

```
#define plot size for all plots
```

```
plt.rcParams =
```

```
#define first dataset
```

```
X =
```

y =

#create first plot

plt.plot(x, y)

plt.show()

#define second dataset

x2 =

y2 =

#create second plot

plt.plot(x2, y2)

plt.show()

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