

How can I remove the ticks from my plots in Matplotlib?

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RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=136876>

Matplotlib is a popular Python library used for creating data visualizations. One common issue that users encounter when creating plots is the presence of ticks on the axes, which can be distracting and clutter the plot. However, these ticks can be easily removed with the use of the "tick_params" function in Matplotlib. By setting the "bottom" and "left" parameters to "False", the ticks on the bottom and left axes can be removed. Additionally, the "axis" parameter can be used to specify which axes to remove ticks from. This simple and straightforward function allows users to easily remove ticks from their plots in Matplotlib, resulting in cleaner and more visually appealing visualizations.

Remove Ticks from Matplotlib Plots

Often you may want to remove ticks from one or more axes in a Matplotlib plot. Fortunately this is easy to do using the `tick_params()` function.

This tutorial shows several examples of how to use this function in practice based on the following scatterplot:

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

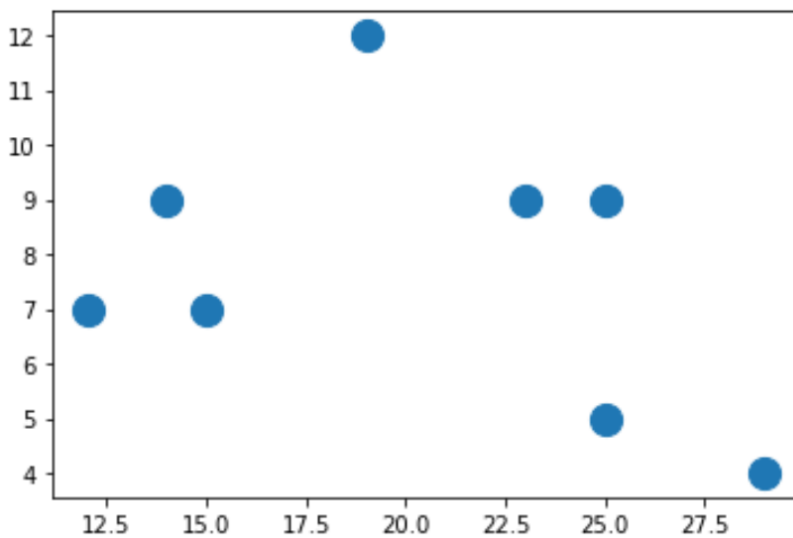
```
#create data
```

```
x =
```

```
y =
```

```
#create scatterplot
```

```
plt.scatter(x, y, s=200)
```

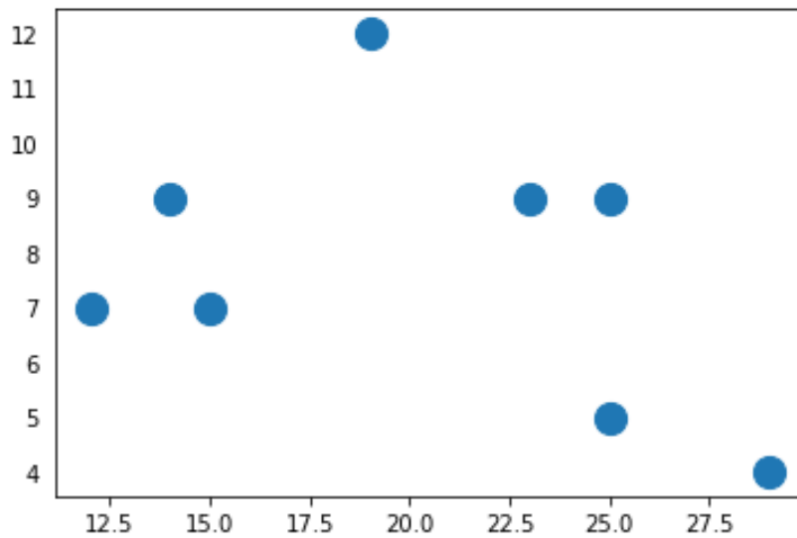


Example 1: Remove Ticks From a Single Axis

The following code shows how to remove the ticks from the y-axis:

```
plt.tick_params(left=False)
```

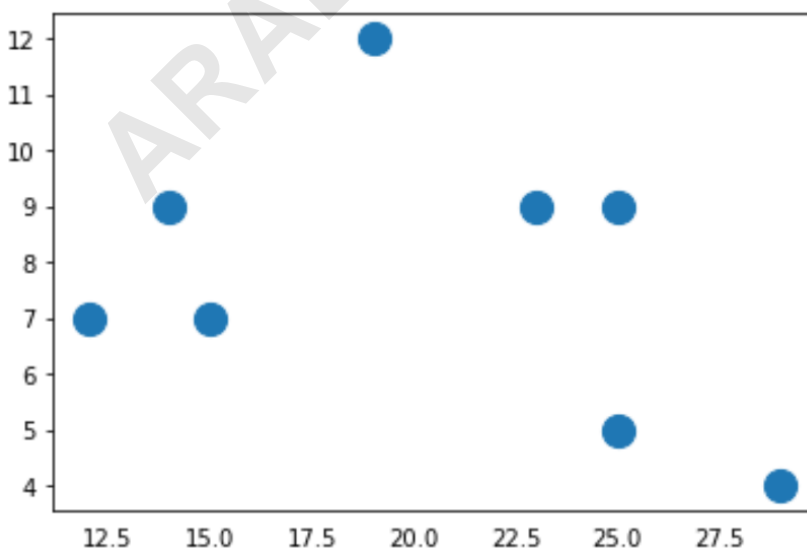
```
plt.scatter(x, y, s=200)
```



And the following code shows how to remove the ticks from the x-axis:

```
plt.tick_params(bottom=False)
```

```
plt.scatter(x, y, s=200)
```

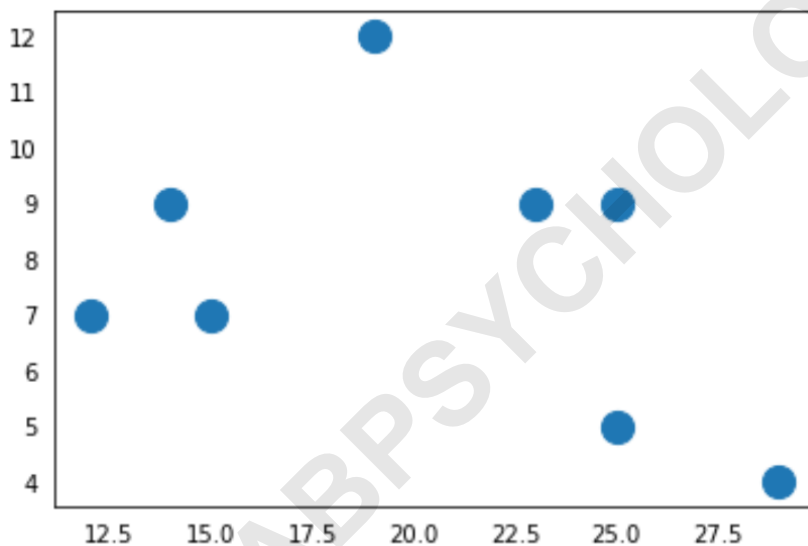


Example 2: Remove Ticks from Both Axes

The following code shows how to remove the ticks from both axes:

```
plt.tick_params(left=False,  
bottom=False)
```

```
plt.scatter(x, y, s=200)
```



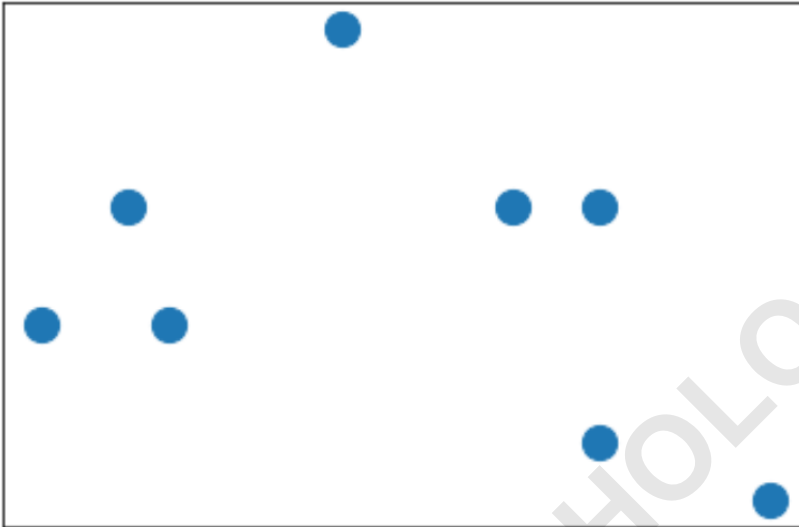
Example 3: Remove Ticks *and* Labels from Axes

The following code shows how to remove the ticks *and* the labels from both axes:

```
plt.tick_params(left=False,  
bottom=False,
```

**labelleft=False,
labelbottom=False)**

plt.scatter(x, y, s=200)



You can find more Matplotlib tutorials [here](#).