

# How to Easily Bold Text in Matplotlib Plots

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## RECOMMENDED CITATION

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Matplotlib is a plotting library for Python that allows users to create visualizations with ease. In order to make text bold in Matplotlib, you must use the `fontweight` parameter and set it to 'bold'. The `fontweight` parameter is available within the `text()` function, which allows you to add text to a plot. Examples of how to use this parameter are provided within this article.

You can use the **weight** argument to create a bold font in Matplotlib.

This argument is commonly used with titles and annotated text in Matplotlib:

### Method 1: Use Bold Font in Title

```
plt.title('My Title', weight='bold')
```

### Method 2: Use Bold Font in Annotated Text

```
plt.text(6, 10, 'some text', weight='bold')
```

The following examples show how to use each method in practice.

## Example 1: Use Bold Font in Title

The following code shows how to create a scatterplot with a title in Matplotlib that uses regular font:

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

```
#create data
```

```
x =
```

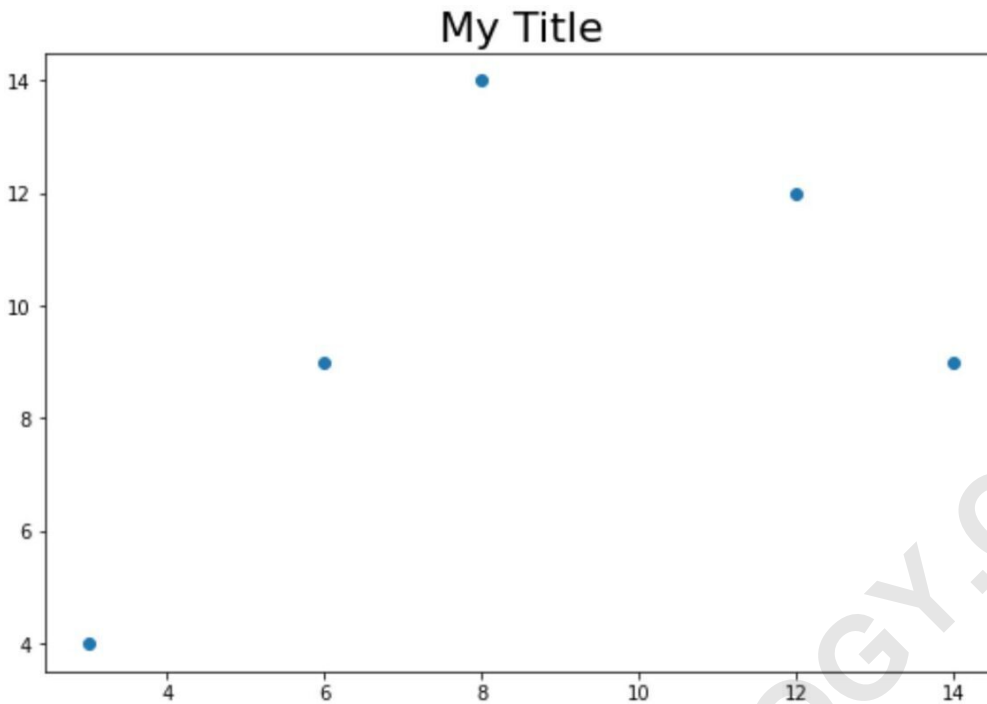
```
y =
```

```
#create scatterplot
```

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

```
#add title
```

```
plt.title('My Title', fontsize=22)
```



And the following code shows how to create a scatterplot with a title in Matplotlib and use the **weight** argument to enable bold font:

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

```
#create data
```

```
x =
```

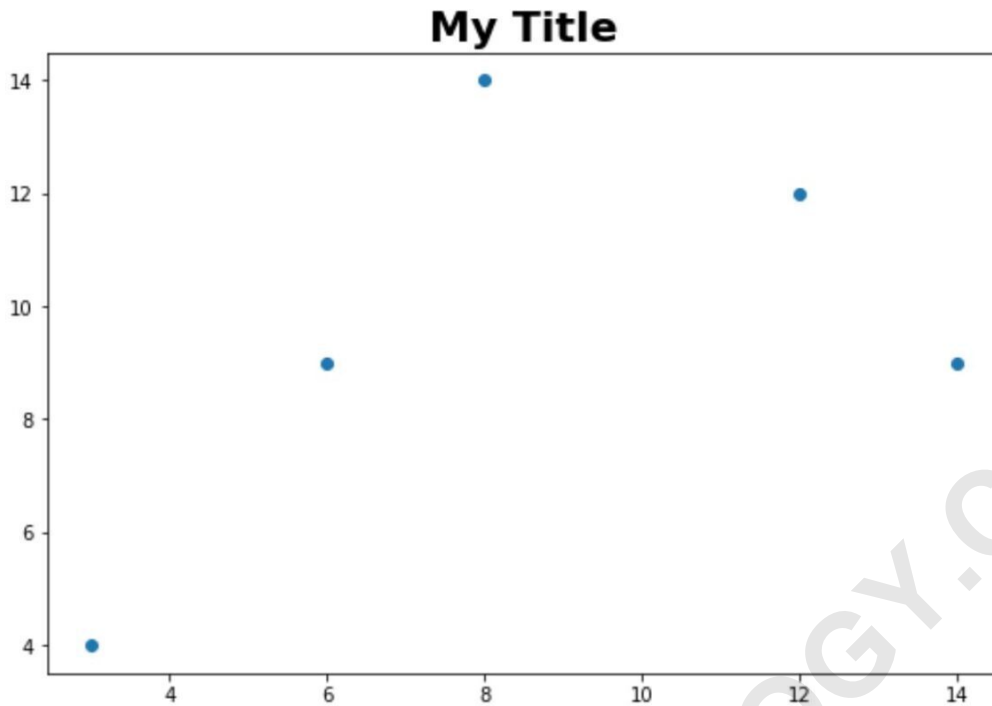
```
y =
```

```
#create scatterplot
```

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

```
#add title
```

```
plt.title('My Title', fontsize=22, weight='bold')
```



## Example 2: Use Bold Font in Annotated Text

The following code shows how to use the **weight** argument to enable bold font in an annotated text in a Matplotlib scatterplot:

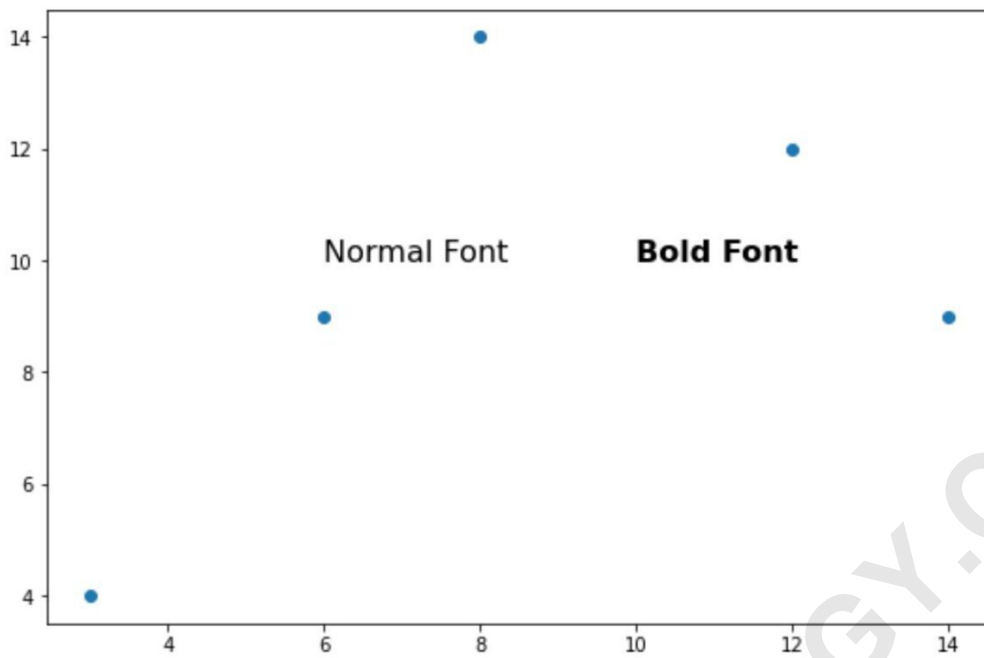
```
import matplotlib.pyplot as plt

#create data
x =
y =

#create scatterplot
plt.scatter(x, y)

#add regular text
plt.text(6, 10, 'Normal Font', fontsize=16)

#add bold text
plt.text(10, 10, 'Bold Font', fontsize=16, weight='bold')
```



Notice the difference between the normal font and the bold font.

The following tutorials explain how to perform other common tasks in Matplotlib: