

How can I use italic font in Matplotlib?

Authored by
stats writer

June 27, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I use italic font in Matplotlib?*. PSYCHOLOGICAL SCALES.
Retrieved from <https://scales.arabpsychology.com/?p=155468>

Italic font can be used in Matplotlib by using the "fontstyle" parameter in the "text" function. This function is used to add text to a plot in Matplotlib. By setting the value of "fontstyle" to "italic", the text will be displayed in an italic font. This can be useful for emphasizing certain words or phrases in a plot, or for adding a stylish touch to the overall design. Additionally, the "fontstyle" parameter can be combined with other parameters, such as "fontsize" and "fontweight", to further customize the appearance of the italic font.

Use Italic Font in Matplotlib (With Examples)

You can use the style argument to create an italic font in Matplotlib.

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

Method 1: Use Italic Font in Title

```
plt.title('My Title', style='italic')
```

Method 2: Use Italic Font in Annotated Text

```
plt.text(6, 10, 'some text', style='italic')
```

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

Example 1: Use Italic 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 =
```

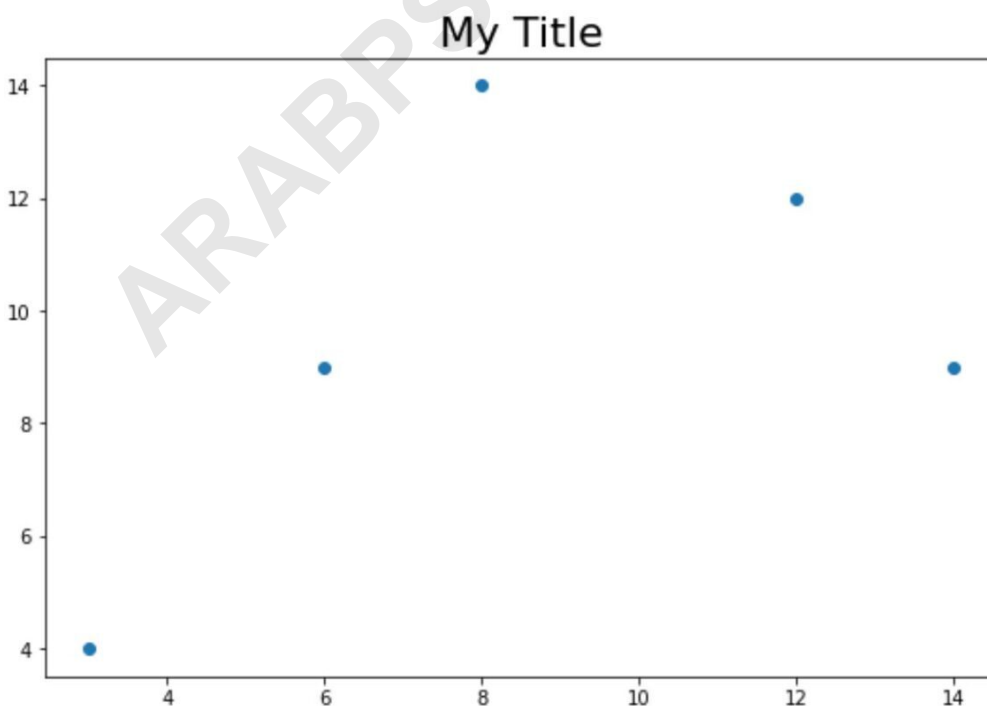
```
y =
```

```
#create scatterplot
```

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

```
#add title
```

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



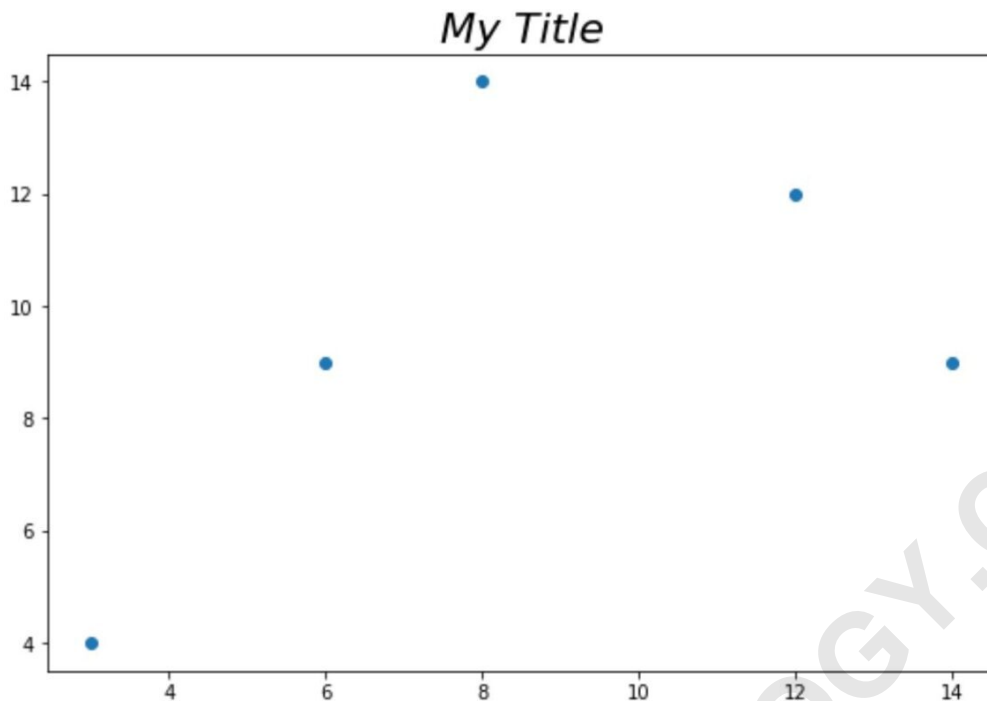
And the following code shows how to create a scatterplot with a title in Matplotlib and use the style argument to enable italic font:

```
import matplotlib.pyplot as plt

#create data
x =
y =

#create scatterplot
plt.scatter(x, y)

#add title
plt.title('My Title', fontsize=22, style='italic')
```



Example 2: Use Italic Font in Annotated Text

The following code shows how to use the `style` argument to enable italic font in an annotated text in a Matplotlib scatterplot:

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

```
#create data
```

```
x =
```

```
y =
```

```
#create scatterplot
```

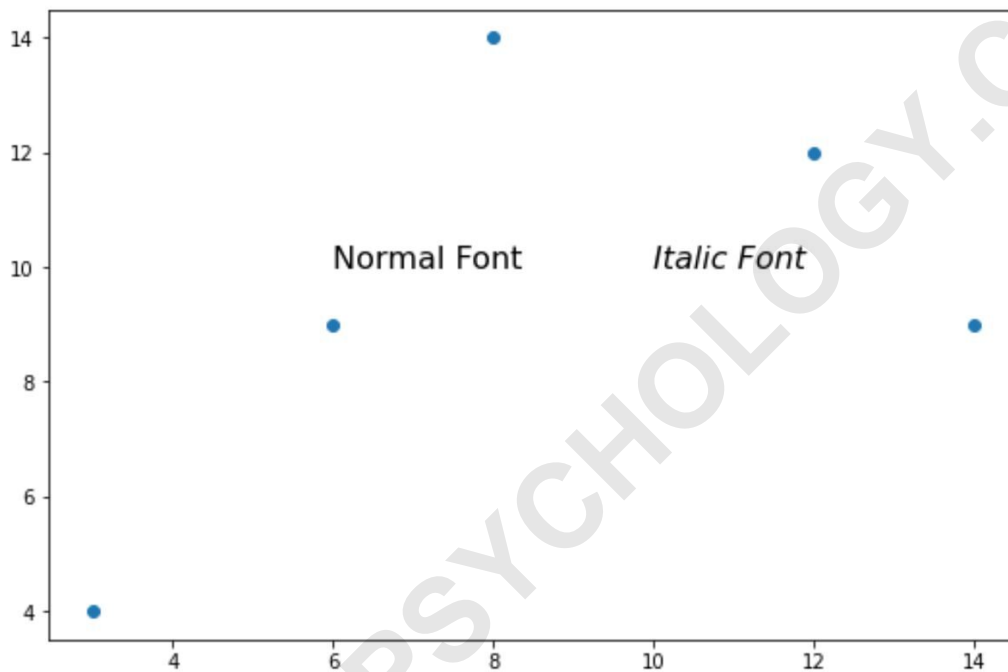
```
plt.scatter(x, y)
```

#add regular text

```
plt.text(6, 10, 'Normal Font', fontsize=16)
```

#add italic text

```
plt.text(10, 10, 'Italic Font', fontsize=16, style='italic')
```



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

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