

How can I add text to subplots in Matplotlib?

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Adding text to subplots in Matplotlib allows for clear and concise labeling and annotation of data in a visualization. This can be achieved by using the "text" method in Matplotlib, which allows for the placement of text at a specific location on the subplot. This method can also be used to customize the font, size, color, and alignment of the text. Additionally, text can be added to subplots using the "annotate" method, which allows for the placement of text with an arrow pointing to a specific data point. By utilizing these methods, users can enhance the clarity and readability of their subplots in Matplotlib.

Add Text to Subplots in Matplotlib

You can use the following syntax to add text to specific subplots in Matplotlib:

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

```
#define subplot layoutfig, ax = plt.subplots(2, 1,  
figsize=(7,4))
```

```
#add text at specific locations in subplots
```

```
ax.text(1.5, 20, 'Here is some text in the first subplot')
```

```
ax.text(2, 10, 'Here is some text in the second subplot')
```

This particular example adds text to the first subplot at the (x, y) coordinates (1.5, 20) and some text to the second subplot at the (x, y) coordinates (2, 10).

The following example shows how to use this syntax in practice.

Example: Add Text to Subplots in Matplotlib

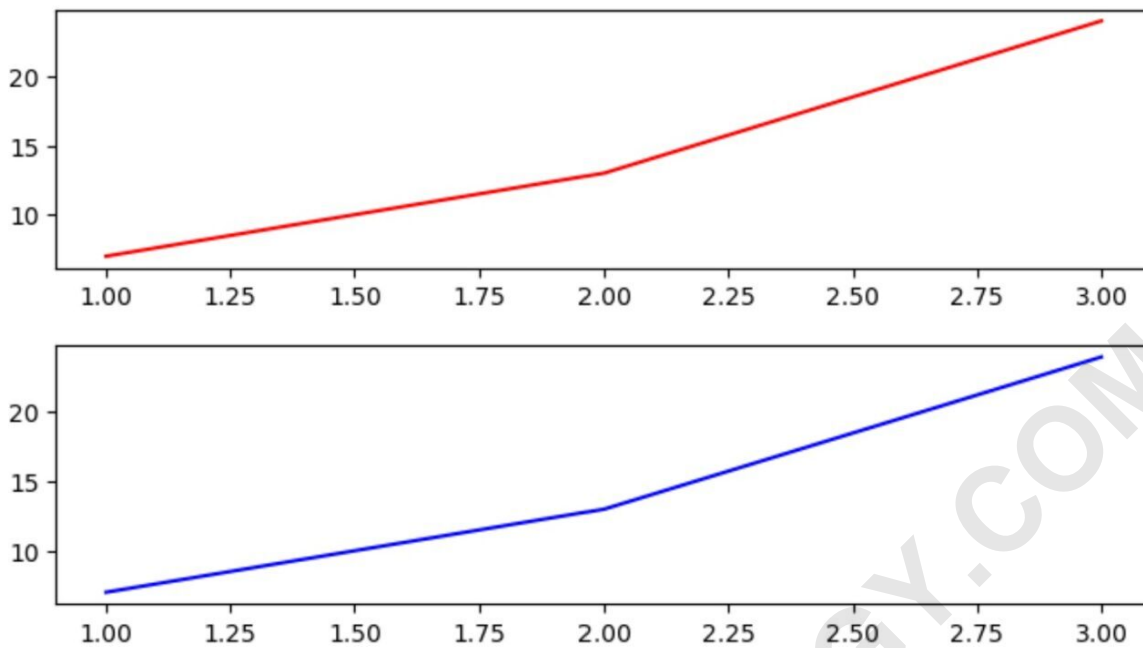
The following code shows how to create two subplots in Matplotlib, arranged in a layout with two rows and one column:

```
import matplotlib.pyplot as plt

#define subplot layout
fig, ax = plt.subplots(2, 1, figsize=(7,4))
fig.tight_layout()

#define data
x =
y =

#create subplots
ax.plot(x, y, color='red')
ax.plot(x, y, color='blue')
```



We can use the following syntax to add text to specific locations on each subplot:

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

```
#define subplot layout
```

```
fig, ax = plt.subplots(2, 1, figsize=(7,4))
```

```
fig.tight_layout()
```

```
#define data
```

```
x =
```

```
y =
```

```
#create subplots
```

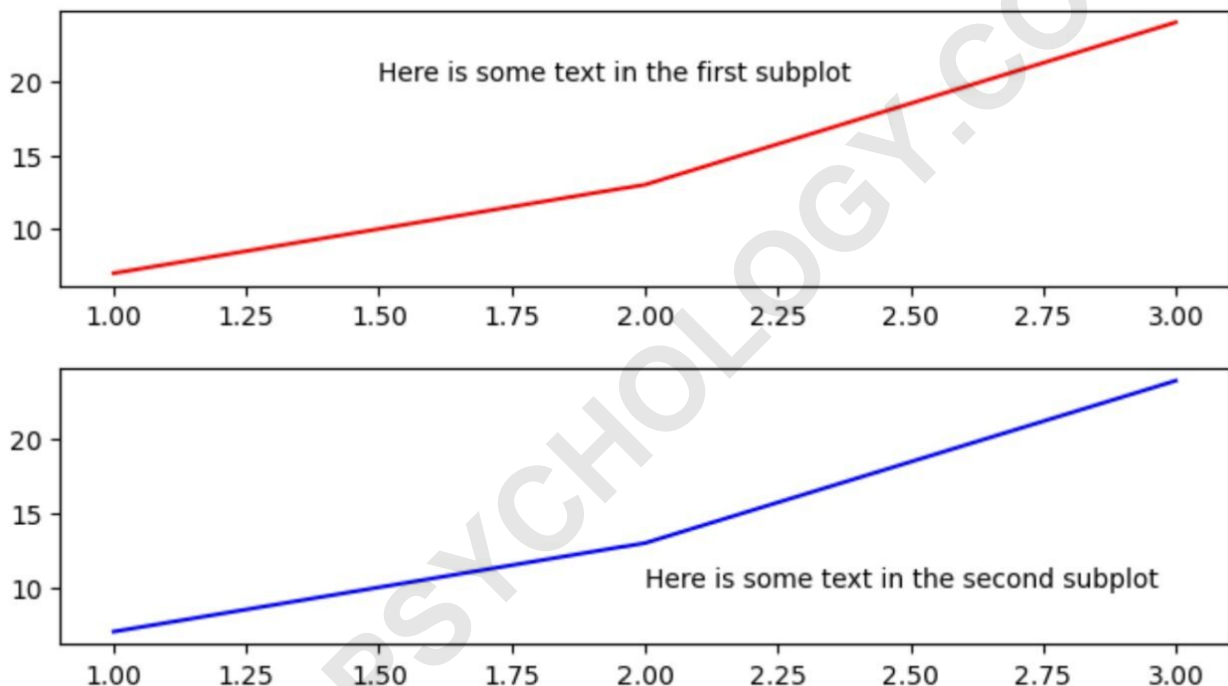
```
ax.plot(x, y, color='red')
```

```
ax.plot(x, y, color='blue')
```

```
#add text at specific locations in subplots
```

```
ax.text(1.5, 20, 'Here is some text in the first subplot')
```

```
ax.text(2, 10, 'Here is some text in the second subplot')
```



Notice that text has been added to each subplot at the (x, y) coordinates that we specified.

Note that we used `ax` to reference the first subplot and `ax` to reference the second subplot.

We then used the `text()` function to specify the (x, y) coordinates along with the specific text to use each in

each subplot.

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

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