

MatplotlibExampleCode

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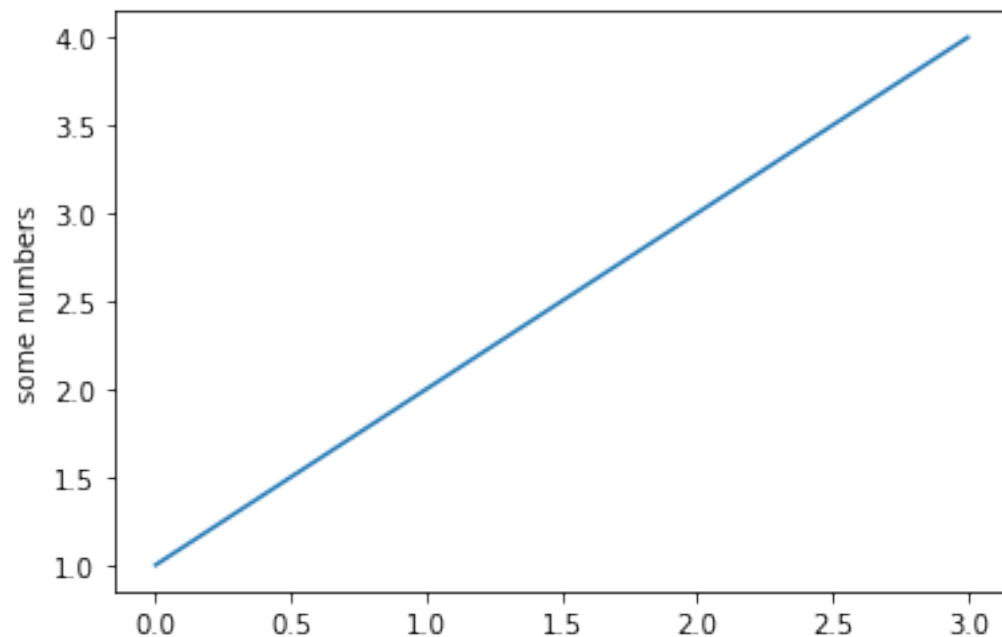
1 Matplotlib Code Example

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1.0.1 Example 1:

Here is a simple example of how to use Numpy to create an array and perform basic operations on it:

```
[1]: import matplotlib.pyplot as plt  
plt.plot([1, 2, 3, 4])  
plt.ylabel('some numbers')  
plt.show()
```

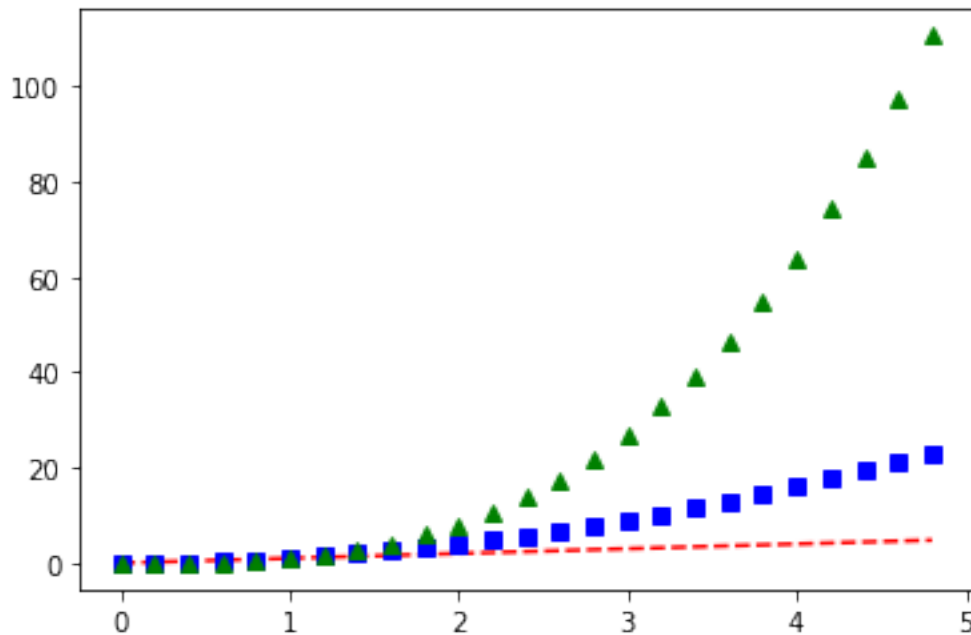


1.0.2 Example 2:

Here's a more complex example of how to plot multiple lines on the same plot:

```
[2]: import matplotlib.pyplot as plt
import numpy as np

t = np.arange(0., 5., 0.2)
plt.plot(t, t, 'r--', t, t**2, 'bs', t, t**3, 'g^')
plt.show()
```



1.1 Matplotlib - Version Check:

You can check the version of Matplotlib by using the following command:

```
[3]: import matplotlib
print(matplotlib.__version__)
```

3.5.1

1.2 Example - Files:

Matplotlib can also save plots to various file formats, such as PNG, PDF, SVG, and more. Here's an example of how to save a plot as a PNG file:

```
[4]: import matplotlib.pyplot as plt
plt.plot([1, 2, 3, 4])
plt.ylabel('some numbers')
plt.savefig('output.png')
```

