

## Code Yarns

Notes from a programmer's journal

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# How to hide axis of plot in Matplotlib

For most types of plots drawn by **Matplotlib**, the **ticks** and **labels** along both X and Y **axis** is drawn too. To hide the ticks, labels or axis, we need to get the axes of the currently generated plot and change its properties.

- To hide the **axis** of a plot:

```
1 | import matplotlib.pyplot as mplot
2 |
3 | # After creating plot ...
4 |
5 | cur_axes = mplot.gca()
6 | cur_axes.axes.get_xaxis().set_visible(False)
7 | cur_axes.axes.get_yaxis().set_visible(False)
```

- To hide only the **ticks** of a plot:

```
1 | import matplotlib.pyplot as mplot
2 |
3 | # After creating plot ...
4 |
5 | cur_axes = mplot.gca()
6 | cur_axes.axes.get_xaxis().set_ticks([])
7 | cur_axes.axes.get_yaxis().set_ticks([])
```

- To hide only the **labels** of the ticks of a plot:

```
1 | import matplotlib.pyplot as mplot
2 |
3 | # After creating plot ...
4 |
5 | cur_axes = mplot.gca()
6 | cur_axes.axes.get_xaxis().set_ticklabels([])
7 | cur_axes.axes.get_yaxis().set_ticklabels([])
```

**Tried with:** Matplotlib 1.3.1 and Ubuntu 14.04

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📅 June 29, 2015   👤 Ashwin   🔖 axis, matplotlib

## One thought on “How to hide axis of plot in Matplotlib”

**Jlguero**

October 21, 2016 at 22:05

Thank you.

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