

```

1 # Simple-Plotting Example-02
2
3 import matplotlib.pyplot as plt
4
5 a = [1, 2, 3, 4, 5]
6 b = [0, 0.6, 0.2, 15, 10, 8, 16, 21]
7 c = [4, 2, 6, 8, 3, 20, 13, 15]
8
9 # use fig whenever u want the output in a new window also specify the window size
  you want ans to be displayed
10 fig = plt.figure(figsize =(10, 10))
11
12 # creating multiple plots in a single plot
13 sub1 = plt.subplot(2, 2, 1)
14 sub2 = plt.subplot(2, 2, 2)
15 sub3 = plt.subplot(2, 2, 3)
16 sub4 = plt.subplot(2, 2, 4)
17
18 sub1.plot(a, 'sb')
19
20 # sets how the display subplot x axis values advances by 1 within the specified
  range
21 sub1.set_xticks(list(range(0, 10, 1)))
22 sub1.set_title('1st Rep')
23
24 sub2.plot(b, 'or')
25
26 # sets how the display subplot x axis values advances by 2 within the specified
  range
27 sub2.set_xticks(list(range(0, 10, 2)))
28 sub2.set_title('2nd Rep')
29
30 # can directly pass a list in the plot function instead adding the reference
31 sub3.plot(list(range(0, 22, 3)), 'vg')
32 sub3.set_xticks(list(range(0, 10, 1)))
33 sub3.set_title('3rd Rep')
34
35 sub4.plot(c, 'Dm')
36
37 # similarly we can set the ticks for the y-axis
  range(start(inclusive),end(exclusive), step)
38 sub4.set_yticks(list(range(0, 24, 2)))
39 sub4.set_title('4th Rep')
40
41 # without writing plt.show() no plot will be visible
42 plt.show()

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