

(9)

Date

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OM

Student Notebook

Matplotlib

`import matplotlib.pyplot as plt`

`plt.plot(x, y)`

`plt.show()`

→ Id names on list

→ Line plot

`plt.xlabel('text')`

`plt.ylabel('text')`

`plt.scatter(x, y)`

→ Scatter plot

`plt.plot(x, y, 'k')`

→ Color

→ black color line

`'--k'`

→ linestyle + color

→ black dashed line

`'o:k'`

→ ...

`plt.axis([xmin, xmax, ymin, ymax])`

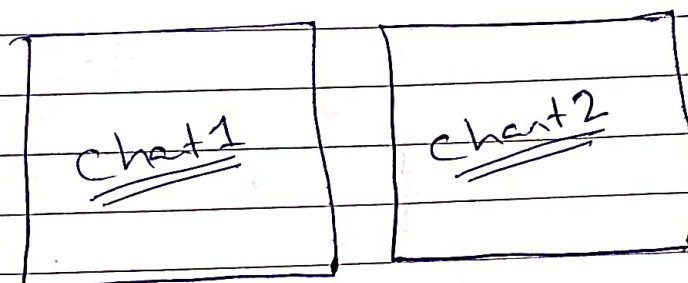
* Figure ^{Chart} & axis

```
fig-1 = plt.figure(1, figsize=(6.4, 4.8))
```

```
Chart-1 = fig-1.add_subplot(121)
```

```
Chart-2 = fig-1.add_subplot(121)
```

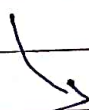
↓
division (rows, column) → index



* Tickers

from matplotlib.ticker import MaxNLocator

```
Chart1.xaxis.set_major_locator(MaxNLocator  
(integer=True))
```



Set integer value
to x axis

```
fig-2, axis = plt.subplot(2, 2, figsize=(20, 5))
```

```
axis[0, 1] = plot(x1, y1)
```

```
axis[1, 0] = plot(x1, y2)
```

