

Pandas + Matplotlib

.iloc

.loc [[] , []]
 ↓ ↓
 row columns

Methods in Pandas

append()

apply

count()

describe()

head()

tail()

drop-duplicates

Pandas Series

learning → group by
aggr

window


project ⇒ 

Pandas Series

1-D

homogenous

Size is fixed

10	20	30	40	50	60	70
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Each column in pandas is a series

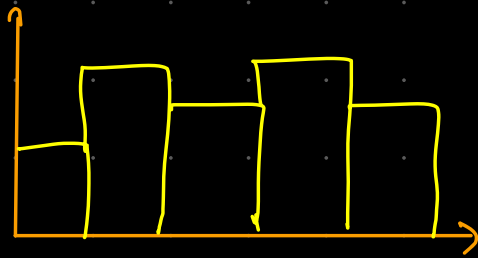
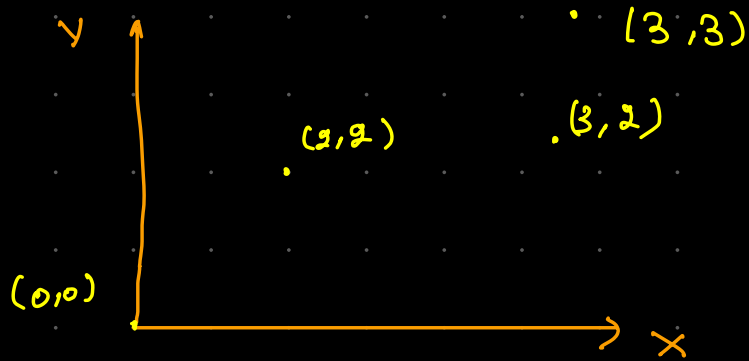
0

tlbanc ['Age']

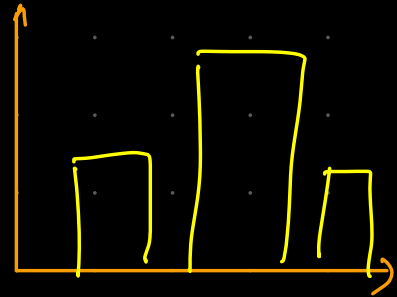
0

sl ['il']

Matplotlib

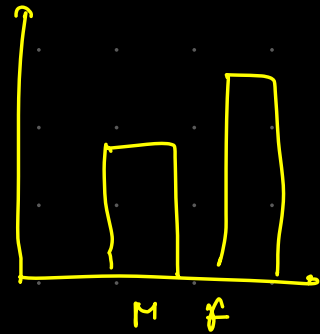
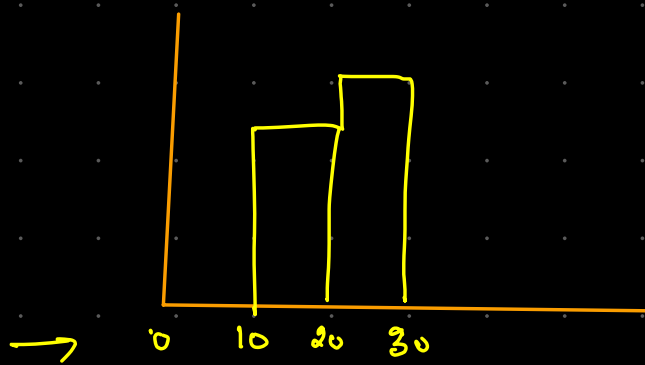


histogram



⇒ matplotlib is a library which helps in
visualization in python for 2-D plots

→ built on top of numpy.



4, 5, 9,
10, 11, 13,
14, 19

0

10

20

$$\frac{19 - 4}{3} \Rightarrow \frac{15}{3} = 5$$

4

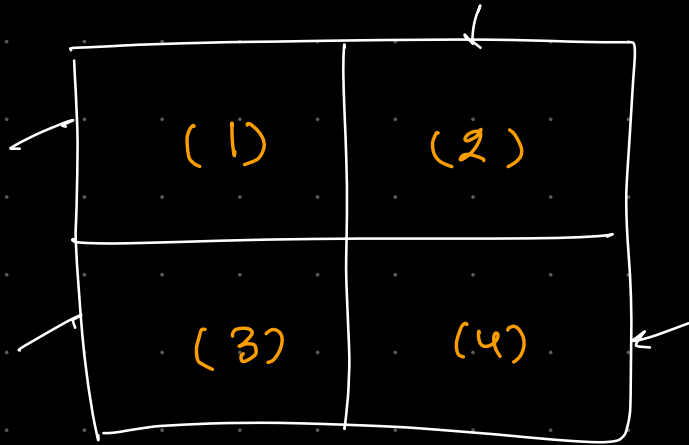
9

14

19

←

Subplot



3 param ÷

1. n rows → 2

2. n columns → 2

3. Plot numbers → Where you want to draw

```
plt.subplot(2,2,3)
plt.hist(titanic['Age'],bins=8,edgecolor='black')
plt.subplot(2,2,2)
plt.scatter(x,y)
plt.show()
```

