Dataframe → 2D

arr2D =
```
    0  1  2
0 [[ 1  2  3
1  [ 4  5  6 ]]
```

arr2D[0] → 1st row

arr2D[:,0] → 1st col

	0	1	2
	Name	Age	Salary
0			
1			
2			

	Row	Col
indexing	✗	✓
slicing	✓	✗

loc[]
↓
name

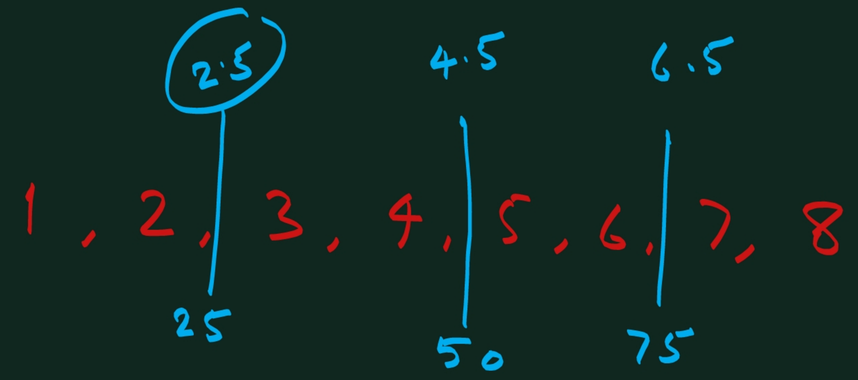
iloc[]
↓
integer

Working with dataframe

1. info() ⟶ to set information
2. describe() ⟶ to set stats
3. head() ⟶ to display records from initial
4. tail() ⟶ ——————— end
5. dtypes ⟶ to display datatypes
6. columns ⟶ to display column names
7. sort_values('col') ⟶ sorting data

Assogate method

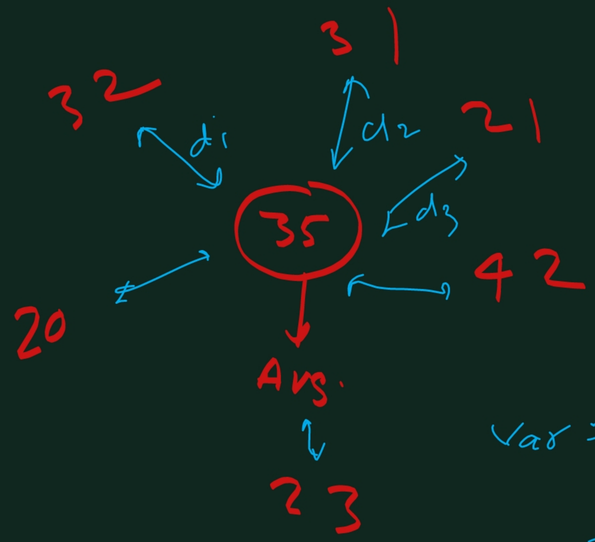
sum()
max()
min()
mean()
count()



Percentile — Parts

Standard Deviation = $\sqrt{\text{Variance}}$

↓ Avg. ↓ deviating (Var)



$\therefore$ m

$\text{Var} = (x_1 - \bar{x})^2 + (x_2 - \bar{x})^2$

$= (d)^2$ m

(10)

Std Law → less scattered

Std High → more scattered