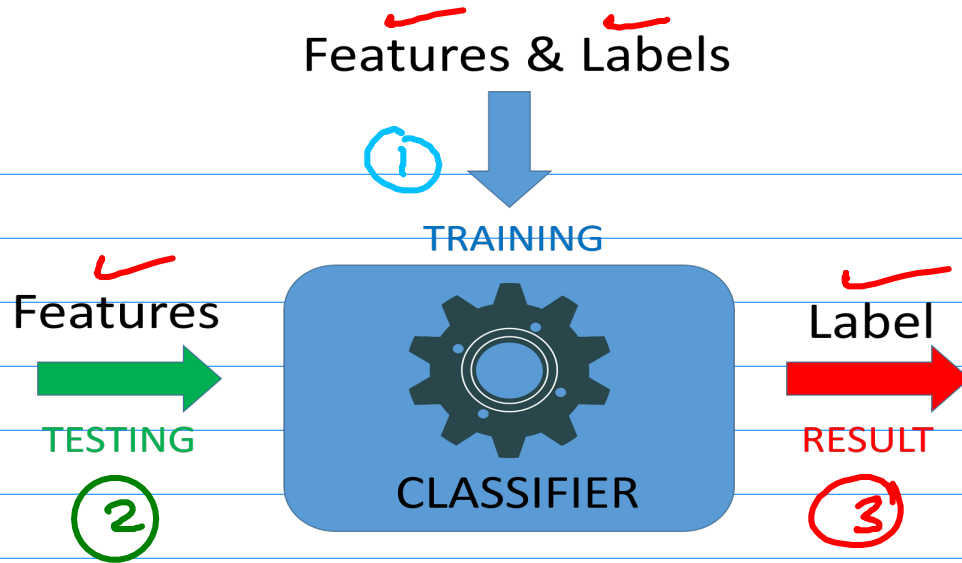


Supervised ML



① Rain today or not?

1 step → define features, labels

Labels → 1 → RAIN
0 → NO RAIN } Already defined

Features → YOU HAVE TO DEFINE!

wind speed
Temperature
Humidity
Light intensity

2 step → collect the dataset

	Features				Labels
	W/s	temp	Hum	Light/int	
d1	110	27	68%	470	0
d2	120	31	90%	570	1

3 step → training

ARRAYS

C/C++/JAVA

int x[5] = {1, 2, 3, 4, 5}

1	← x[0]
2	← x[1]
3	← x[2]
4	
5	← x[4]

x ↑

List 1 = [10, . . . , [1, 2, 3]]

List[5] = [1, 2, 3]

X

x[0] = 1
x[1] = 2
x[2] = 3

List[5][1] = 2
x

Dictionary

dict = {key1: value1, key2: value2, key3: value3, . . . }

List 1 = ['John', 89, 96, 78] ⇒ dict 1 = {'name': 'John', 'maths': 89, 'phy': 96, 'chem': 78}

'John'	← List[0]
89	← List[1]
96	←
78	← List[3]

'John'	← dict 1 ['name']
89	← dict 1 ['maths']
96	←
78	← dict 1 ['chem']

Python

Lists
[]

Tuples
()

Dictionaries
{ }

* cannot be modified

```
for i in w:
```

```
w=[13,23,54,64,23,43,57]
```

```
print(i)
```

list

i

```
list1=[i for i in range(10)]
```

```
print(list1)
```

* loop will run for 10 times \Rightarrow # elements in the list

i=0

i=1

i=2

[0, 1, 2, ..., 9]