Instance (Observation, sample, Data point)

- is a single complete unit of data that includes all Features and in superised learning its taget mal

Ex: Mr tollowing Data sort has 2 instances

	Frehad	***	taget	
	Name	45"	Ph	MATTINE
11111	Mice	21	•	Yes
2	BOB	32	,	NO

1

T

* a instance is Parically one row in a data table and cols

Label (class, target Value) only for supervised learning

correct output assosiable with - 17 the Known a instance in supervised learning. it is the Value the target variable takes in each instances · so the farget: output target ral (lable) = true output

Ex: in 12. privios duta set the latte was the target

perin	Wame		Marnira
1	Der		(Ye)
2	non	1.	NO

Ex: in a image ry system for cats / Dogs pach ing has its lable (true Val) is car or Dog the model might prodic either (target, output) but the lables tells us the tree outpur this helps the model learn and get better

ML models (supervised learning ones) need alex of labled data This requires Manaal human effort to lables poors of images Mis is callyd la beling dota