## Instance (Observation, sample, Data point)

includes all Features and in supervised learning its taget mal

Ex: Mr following Data sat has 2 instances

	FIRM	73		taget
2222	NAME	450	Ph	MATTINE !
THE STA	MITCE	81	7	Yes
2	DOB	32	•	NO

\* a instance is Pasically one you in a date table and cols Features

Label (class, target Value) any for supervised tarning

- is the known correct output associated with a instance in supervised learning. it is the Value the target variable takes in each instance oso the target: output target rol (lable) = true output

Ex: in the provios
duta set the lable
was the target

Person	Www	 Marnir 2
7	Der	(Ye)
2	200	NO

Ex: in a image reg system for cats / Dogs pack ing has its lable (true Val) is cat or Dog the model might produce either (target, output) but the lables tells us the true entpor the helps the model leave and get better

ML models (supervised learning ones) need all of of labled date This requires manual human effort to lables losses of images Mis
is called la beling date