## **Features in Data**

- What do we know about the data?
- ▼ Different Features of data

[	ED	weight	Sex	Heave   Rote	Chest	Heart disease?
1	4326	IIOKg	M	४।	4	Yes
8,	5681	64159	F	61	١	No
\	7911	81Kg	M	57	0	NO

Table 1.0: Patient records

- Weight
- Sex
- Heart Rate
- Chest Pain
- Use the feature to predict the target

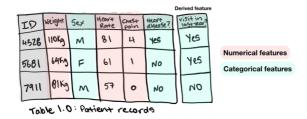
	Feature variables			Ta	Target variable	
ID	weight	Sex	Heav+ Rote	Chest pain	Heart disease?	
4320	1104	M	८।	4	Yes	
568	644	9 F	61	١	No	
791	1 81K	m e	57	0	NO	

## Types of Feature Variables



Table 1.0: Patient records

- Numerical features
- Categorical features
- Feature Eng Looking at different features of data and creating new ones/altering existing ones



▼ Features for unstructured data
Presented with xmind

## ▼ Dogs Pictures













- Legs
- Eyes
- Shapes
- **▼** Features works in ML algo, when most of the samples have it



• Feature Coverage - How many samples have different features? Ideally every samples has the same features