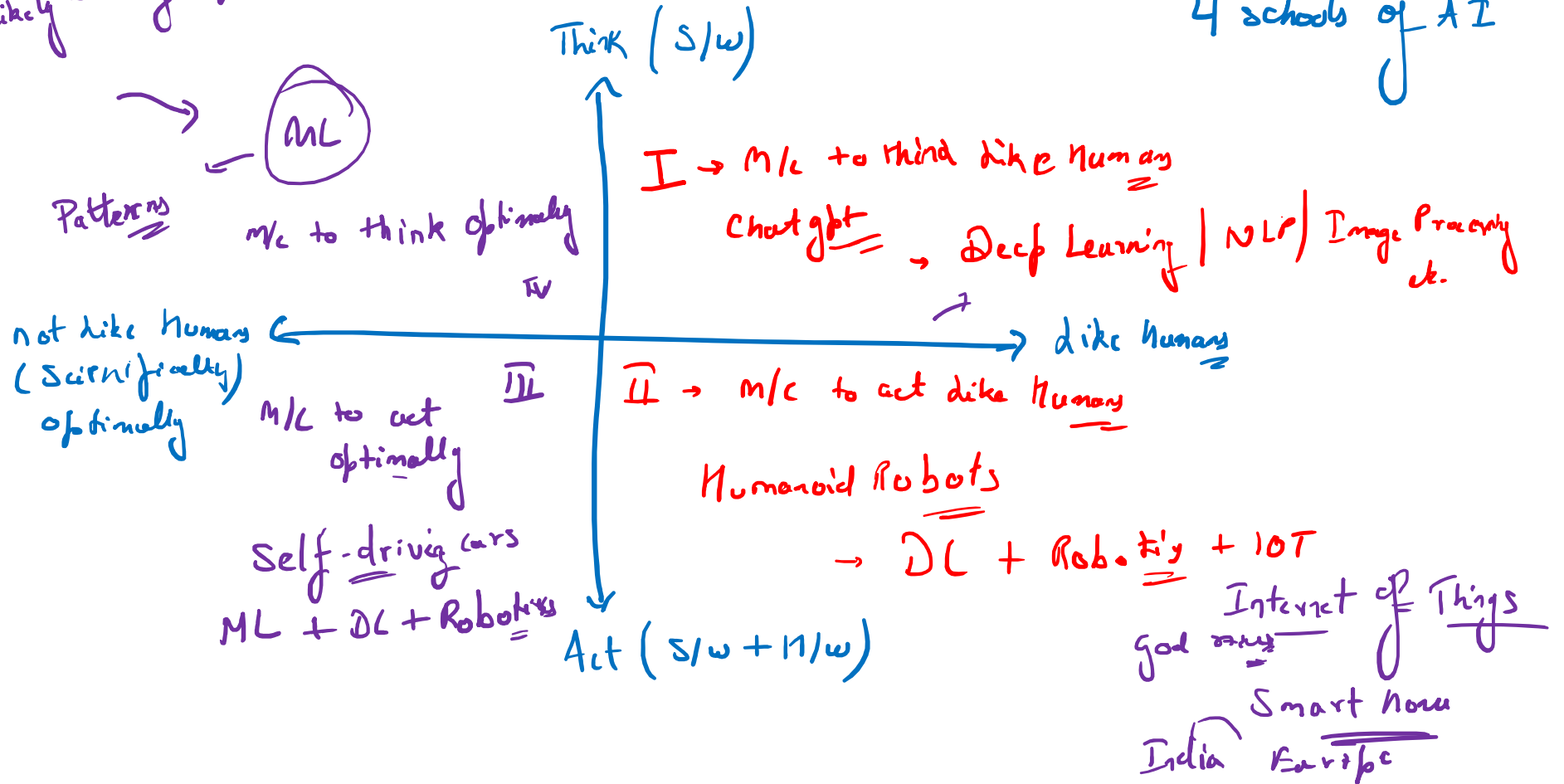


AI \rightarrow Artificial Intelligence

The likelihood of repetition is prediction

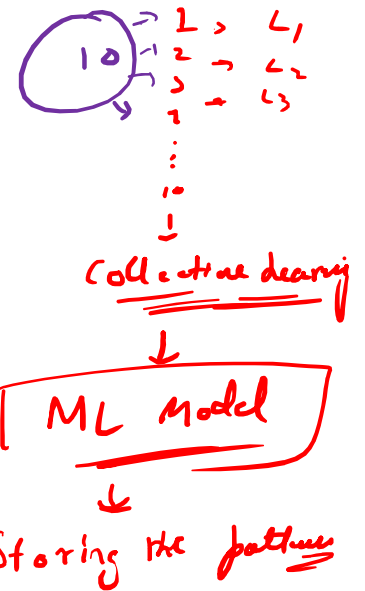
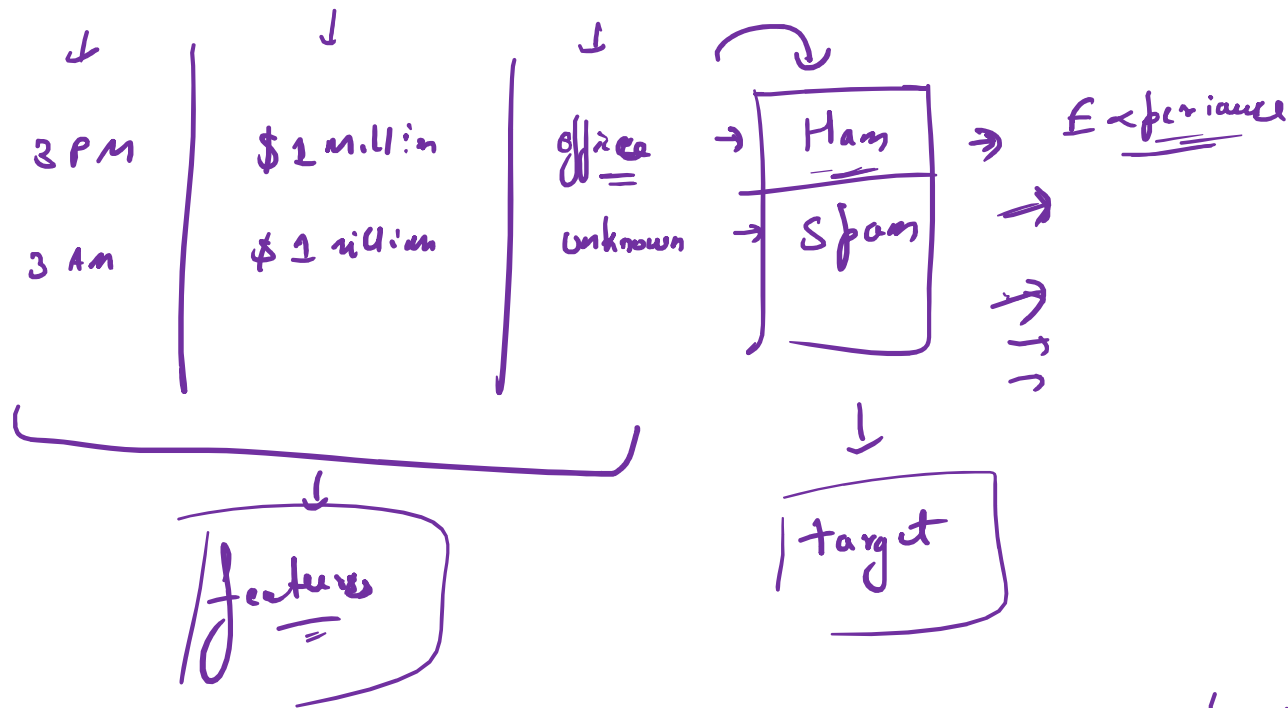
Machine learning

4 schools of AI



Email

①
②



→ The more examples you have, Better patterns & strong patterns can be identified

↳ Data is very Important

If-else / If-elif-else

↳ you were writing these conditions
↳ better

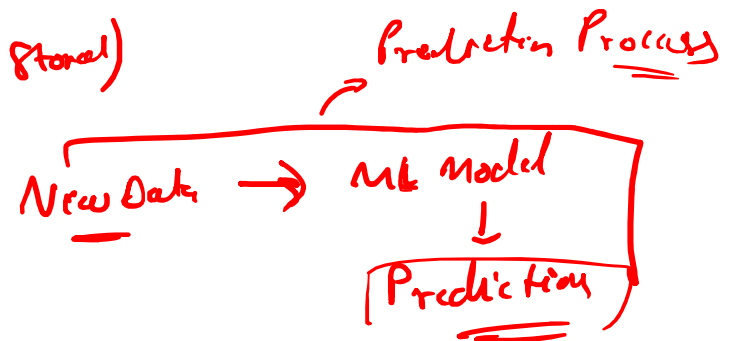
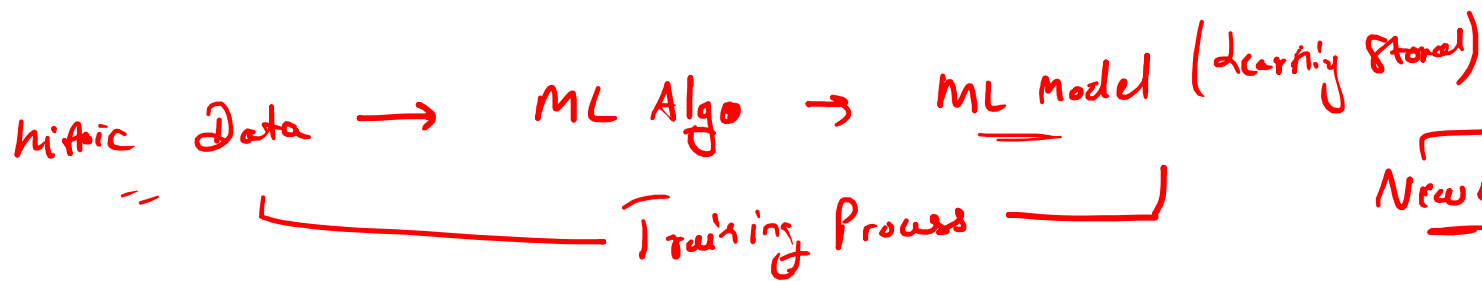
$$\left\{ \begin{array}{l} \text{if } x \geq 10 \\ \quad \frac{4}{5} \\ \text{else b/w } \frac{(1-9-)}{5} \end{array} \right.$$

What-if machine create the
cond"/patterns by itself
from the data

ML Algo

↳ ML

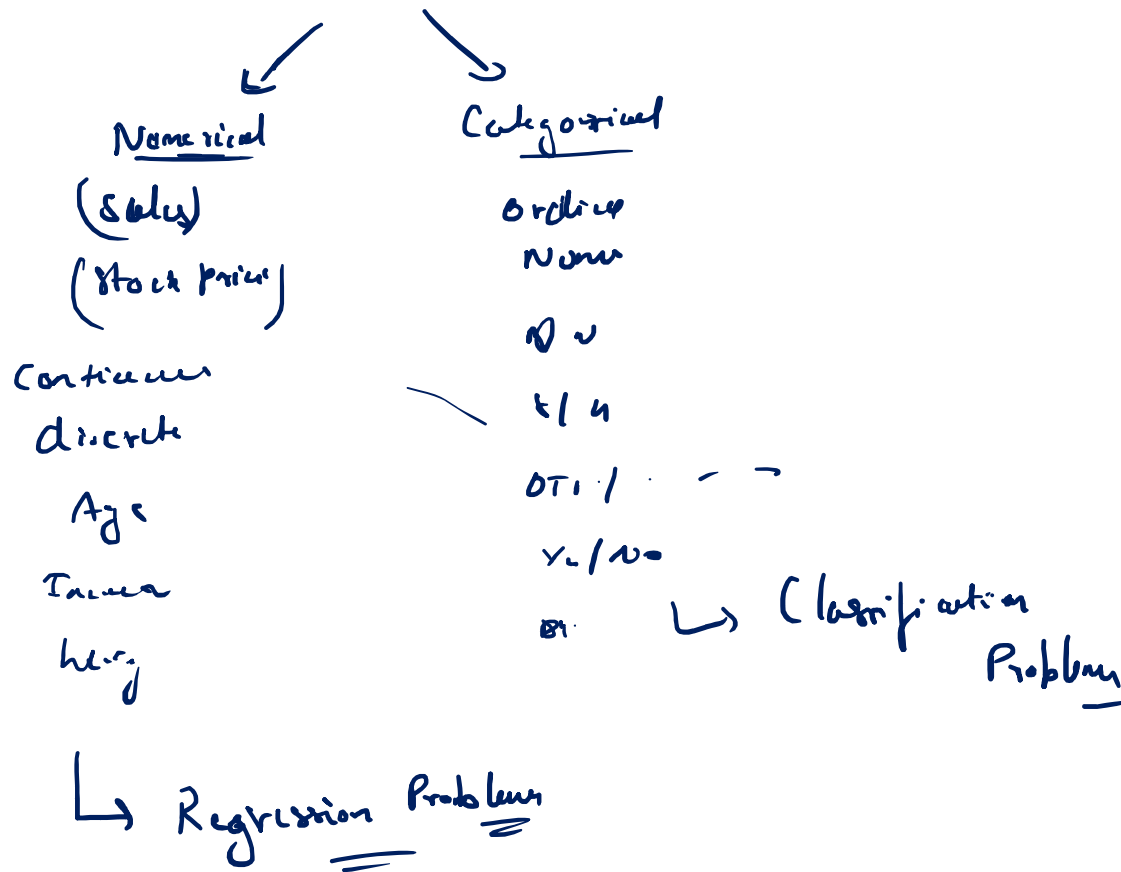
which it does if belong



Supervised learning

Numerical \rightarrow Regression
categorical \rightarrow Classification

Features + Target



→ Unsupervised → Data Mining

Only Features ✓

No Target X

↳ Clustering
↓
grouping
↓
Segmentation

→ of similar rows

quality
↳ score

~~error~~

Data → Unsupervised → group of data
↳ cluster

→ Semi-Supervised / Reinforcement → Daphnia

features + Reward/Punishment

Chess

6 up

→ move → Increase the score → Reward
X → Decrease the score → Punishment
!

U m...
h...
...