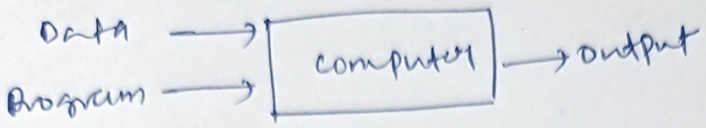
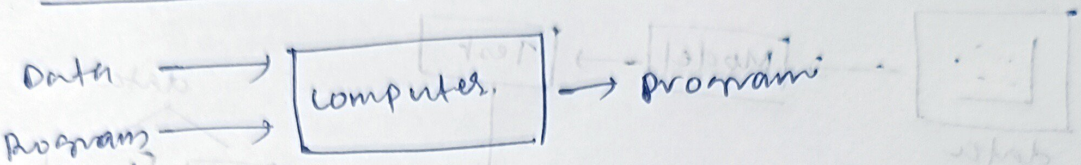
Machine Learning

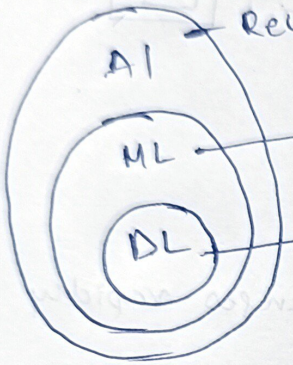
- Learning from data.

Traditional programming



Machine Learning



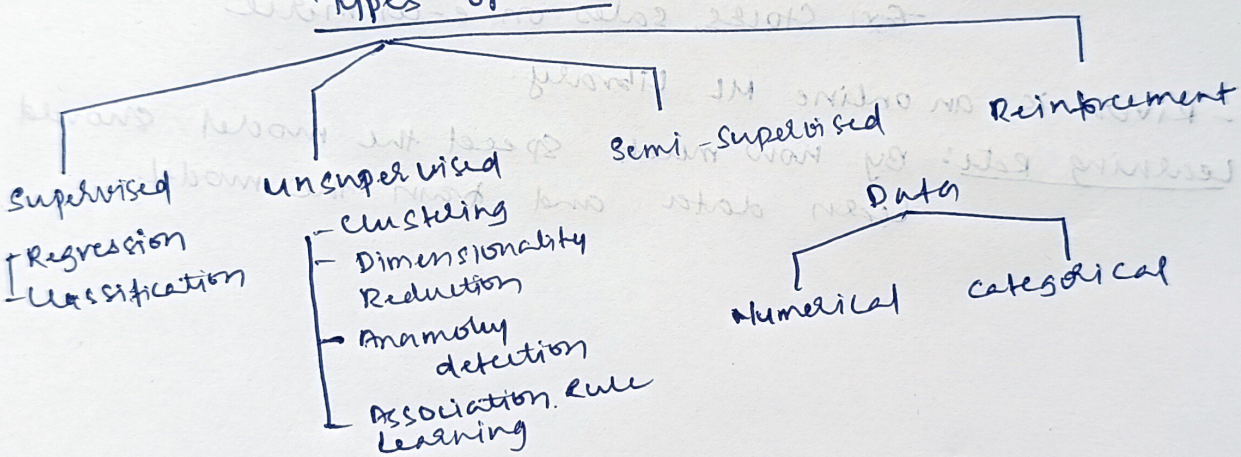


Related to pattern recognition.

Find patterns in data using algorithms.

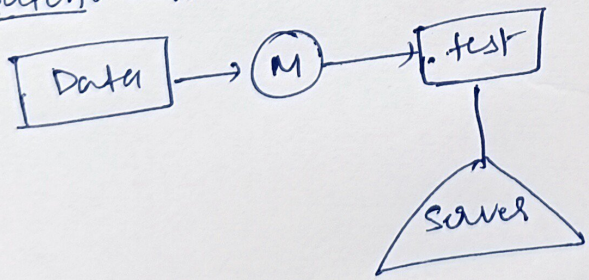
It is machine learning but inspired by our bidogy like neurons.

Types of ML

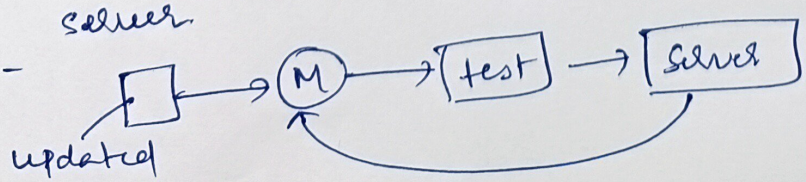


Batch Vs Online ML

Batch: (Offline ML)



- we will train it with a batch and upload to the server.

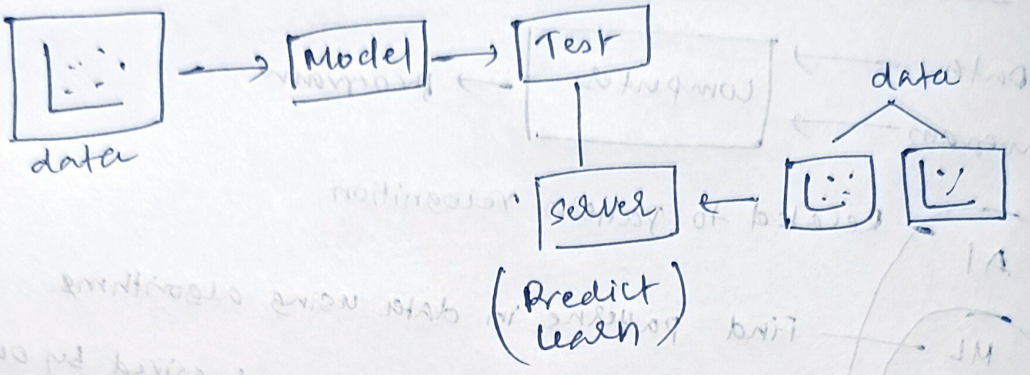


- No incremental learning.

disadvantages

- lots of data
- Hardware limitation
- Availability.

Online ML:



- Train model on server dynamically.
- Ex: chat bots, Youtube, keyboard etc.

concept drift: Nature of the problem changes rapidly is concept drift
- Ex: Stocks, sales on e-commerce

- River is an online ML library

Learning Rate: By how much speed the model should learn data and train the model