Windows - practice

30/08/2021

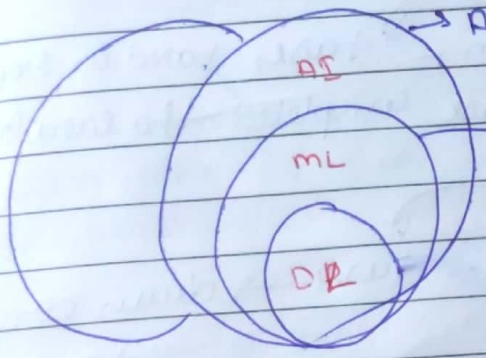
Infy Data

Machine learning

→ Mathematic calculation it is used to train the system which have more accuracy

→ Machine learning, Data science, Deep learning Data science & Machine learning
→ TO do have different meaning

AI vs ML vs DL vs DS



→ AI → by tree

ML - Subset of AI

① AI → A machine which can learn, make its own decision without interference of human beings. It is like a machine it mimic like a human being
→ for Exam → we can Except the Output on seeing the Output

Example for AI → Spich Converter, ATS resume Scanner, human robotics, weather forcasting, Etc

→ AI
→ which is End-product, to get this we will by using ML, DL & DS, is used
Sometime

→ To get &

② Machine Learning

a subset of AI, which is help to get end product

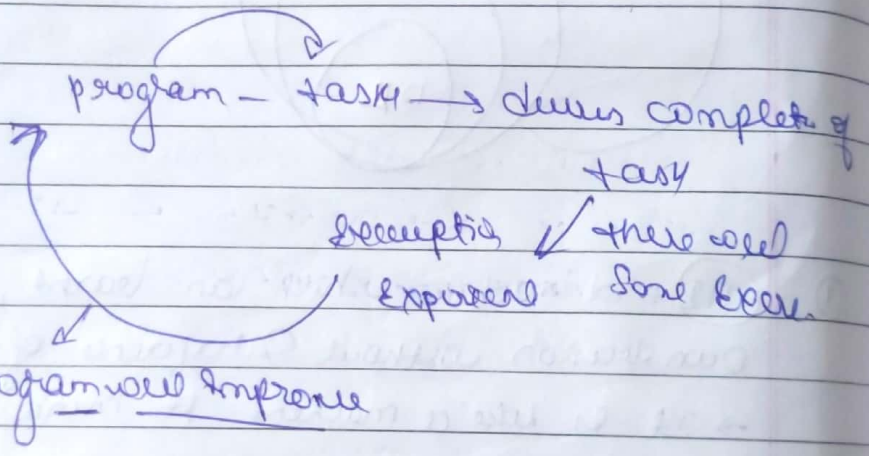
Types of ML

① Supervised
② unsupervised
③ Reinforcement

→ Computer have program that performs task

program → task based on experience

once task completed the execution of



→ TO learn the system has to learn more accurately.

Example ##

given a set of coins, 1, 2, 5 gm

1gm 2gm 5gm

It can be classified by weights by weight.

→ Based on parameter we can train the machine.
→ labeled data is given to system to train the system.

IRs ORs SR_2 → labels
Ign Dgn Sgn ← parameters

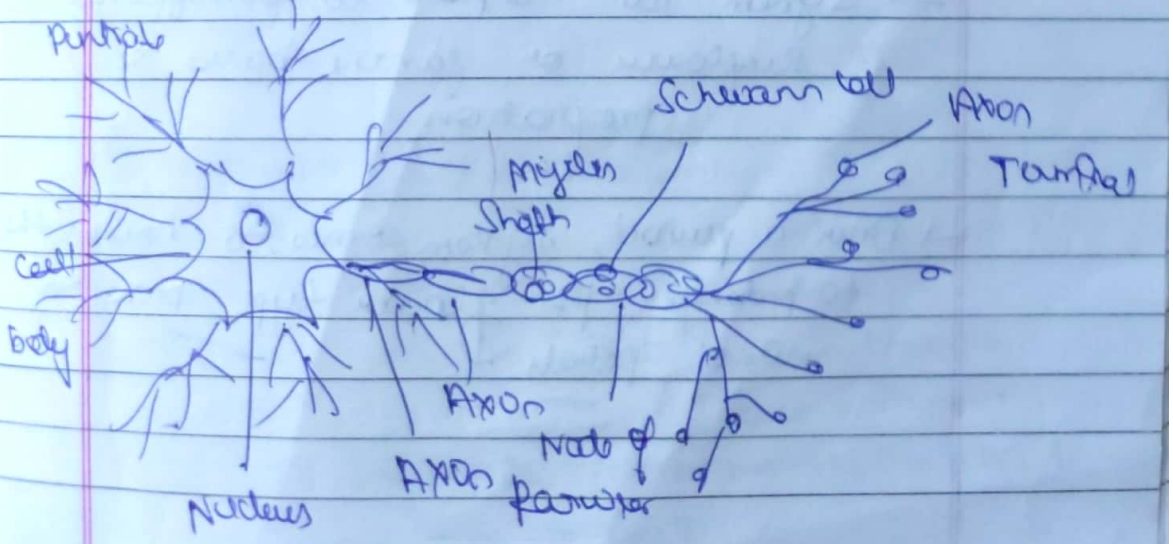
→ ML is also involved in statistical model
→ ML → start learn from its experience

When we build statical model

mathematical model that extract the predict the expression

② Deep learning

Supset of ML
→ wherever have method it has advantages and some limitation
→ DL is capable of identify (extract the new feature
→ It exclusively work on MNN (multi-neral Network architecture)



→ process the data to next level or further work have to be done

→ DL will work same as multiple neural Network architecture (MNN) and algorithm in DL large amount of

ANN → artificial → Data in Series

In a time series

RNN → Recurrent Neural

CNN → Convolution neural network

→ Work on Image data

Play a very important note

theoretical data

ML vs DL

ML - limitations

① Sunflower ② Jasmine

Flower → Based on length of petals width of the petals & Color of the petal

→ Trained a system

→ System can capable to identify the sunflower or jasmine based on specification

→ Over a period, system comes to know the to identify the flower type based on no. of petals.

① ml is not capable of identify [extract] the new features

④ Data Science

→ It · ML, AI & DL & some mathematical expressions, calculas, levels & Integral Etc

→ Data science used for analysis.

→ Both mathematical & statistical modes

anaconda navigator.

TOPIC

1. ML
need for ML
Types of ML

· → necessary tool for Implementing ML

① numpy } fundamentals
② pandas }
③ Mathablock blick matplotlib.
④ Sickal } numpy, scipy etc Sklearnt

KNINE → Information processing application its also a GUI