Lecture -12 10

"Intro to Machine Learning and Neural Networks"

-> Mother Law of ML:

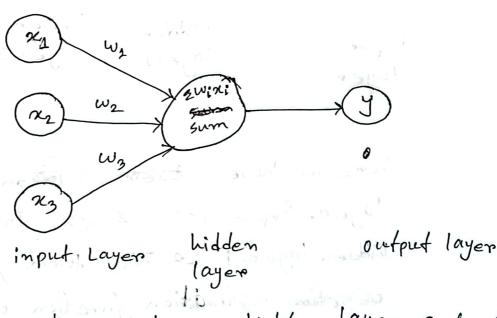
 $W_1 * x_1 + W_2 * x_2 + W_3 * x_3 = y$

herre

w = weight

x= input.

y = output

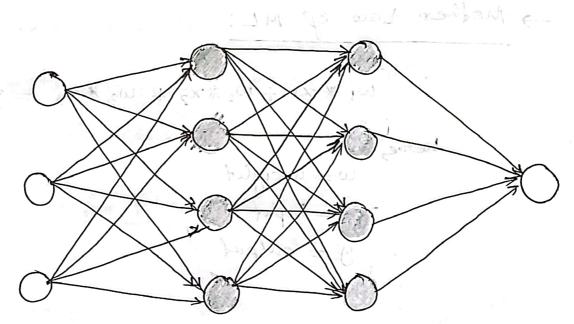


In ML, we have only one hidden layer. But from

here the concept of Neural Network comes where we wo can have multiple hidden layer.

There is Harling Learning and Marinal Newsonly

-> Neural Network:



input layer hidden layer 1 hidden layer 2 output layer

here, we have Amono A factor in each hidden layer. Input (2000 Zwix: The stoom value widden layer-1 a 2000 then from advision activation function we will get an output. Then again new weight they sum

Total same with hidden layer-2 to output omen I then 4th hidden layer-2 or neuron weight from multiply and final output omen I

When we use NN for out our work then we are use Deep Learning (DL). So, difference between ML and DL is,

- ML has only one hidden layer.

 Dr. has many hidden layers.
 - In ML, we give the input which is our the features of our robot. We extract the main features and then put those as input in ML. But to in DL, we give all the values of the sensor to directly and then DL extract the feture features and use those to give the output.