

Deep learning

Page No.

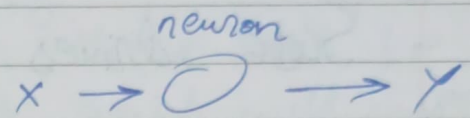
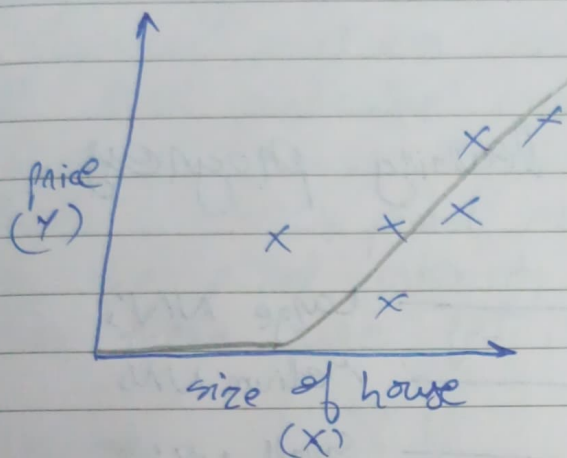
Date

Week 1 : Course 1

Neural Networks and Deep Learning

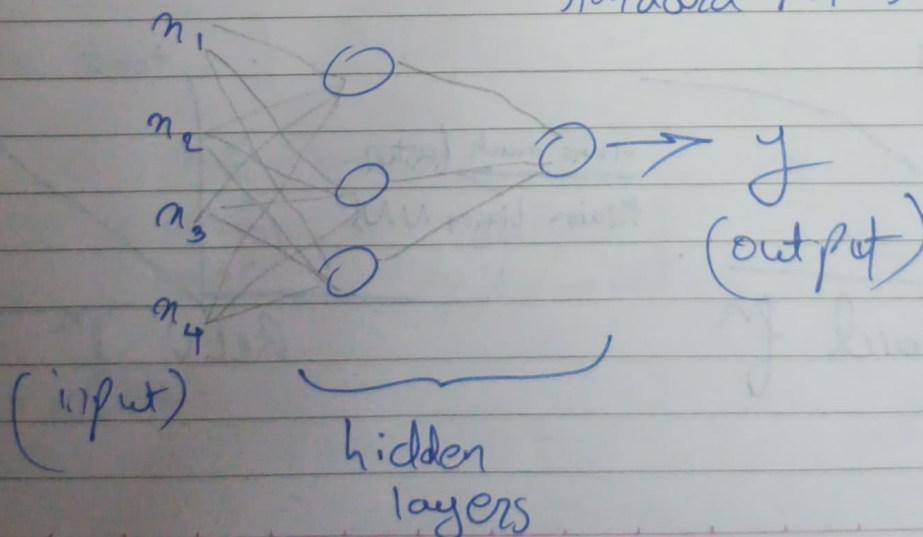
→ Deep learning refers to training neural networks.

eg: Housing Price Prediction (Linear Regression)



The linear graph plot is referred to as ReLU i.e. Rectified Linear Unit, which takes the maximum of zero and input, and returns the output.

Standard NNs:



Supervised Learning (Labelled dataset)

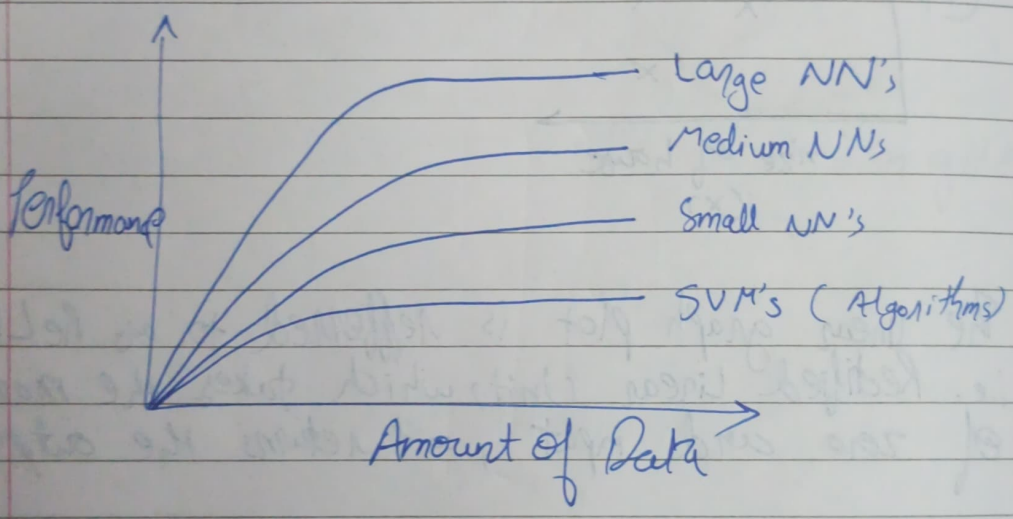
Structured Data

A Large Dataset for eg
data of people of
different ages clicking
on an ad (1/0)

Unstructured Data

Audio
Images
Text

Scale drives deep learning progress



runs much faster
trains bigger NN's

