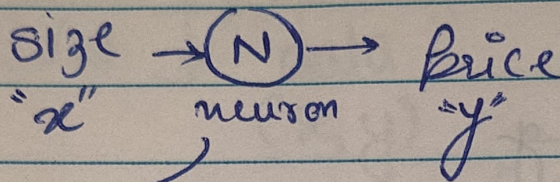


Week 1

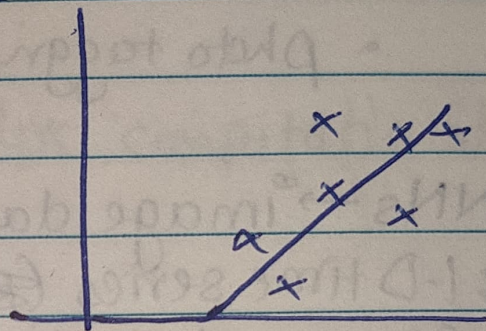
Lec-2

What is a neural network?

Ex: housing price prediction

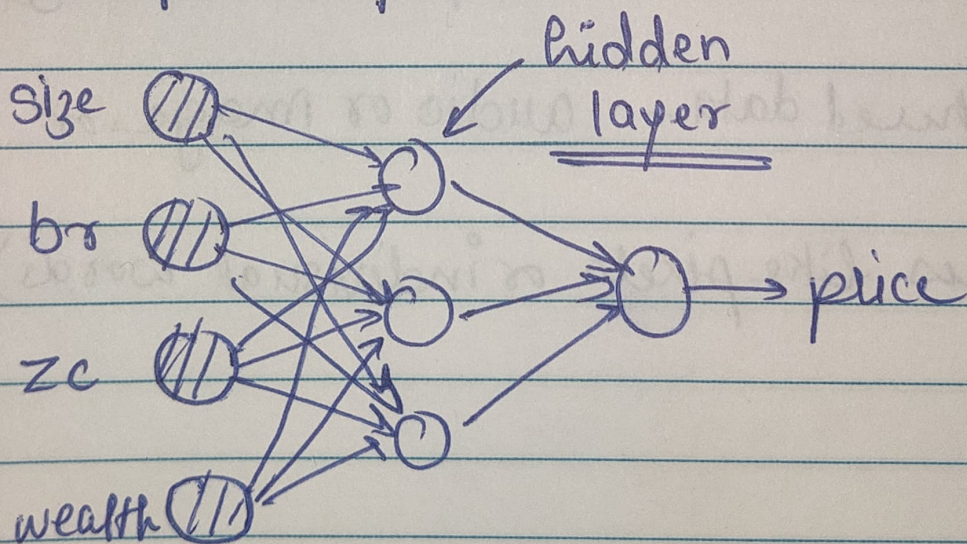


implements
a function
 $\&$ o/p a value



ReLU
(Rectified Linear Unit)

Multiple i/p features $\max = 0$



densely connected
- each i/p feature is
connected to a neuron

Lec-3

Supervised learning

- speech recognition
- advertising
- real estate
- photo tagging

CNNs \rightarrow image data

~~#~~ 1-D time series ~~(R)~~ \rightarrow RNN
(temporal audio)

- Structured data - databases of data
(features have a well defined meaning)
- Unstructured data - audio or image or text
(features like pixels or individual words)

Lec-54

High performing NN \rightarrow bigger NN
 \rightarrow lots of data (scale)

Amount of data \rightarrow labelled data
(x, y)

algorithmic changes helps computational speed.