## **Linear Algebra:**

Unear Algebra

2) Image - May Jumia

Image

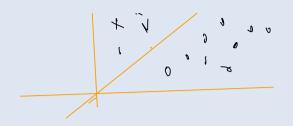
Image

(2) + 9 Love Mathematics -> Numerical > [0 10]

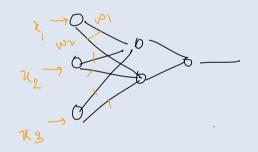
{ Textual -> Uectore } -> tword

Textual -> Tembedding

(3) + Model Training +



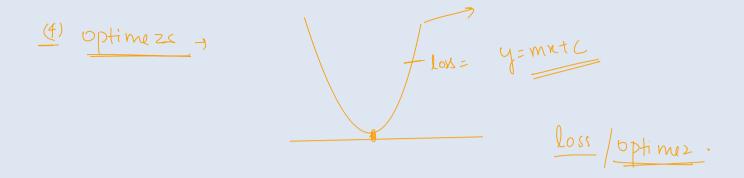
## Neural Network ->



10,102,103,104....

2/1/10/1 + 10/2/2 - - - · · ·

>



- -> Vectors -> 1) Vector
  - 2) Appliction
  - 3) opertions Som, Sub, 41 Data le<u>ulu</u>.

## Day 2 > Vectors -1.

H is a crollection of Number, Representind data teatores, or data. At has both Magnitude a Direction

Scalar + Scalar has Magnitude but No disection (or dim)

Scalear (M) Vector



Scalar Vcctor 0 0

Representation = [5]

[513] -> Multiple dimension

Ryseart

Er - House - data features -

1008 =>

Rooms Baleron latchem

(321) 7 3 Limension

Mulyle fectore = 50

(3) [123.....58] -> Mulipe dimension

\* Apple cations > Text Reproestention. > NLP

9 love Math -> [[Loo] [010] [001]

$$\frac{(2)}{3} \rightarrow \frac{\text{Matrix}}{3} \rightarrow \frac{\text{Matrix}}{3}$$

37 Recommandation system >

Day-3