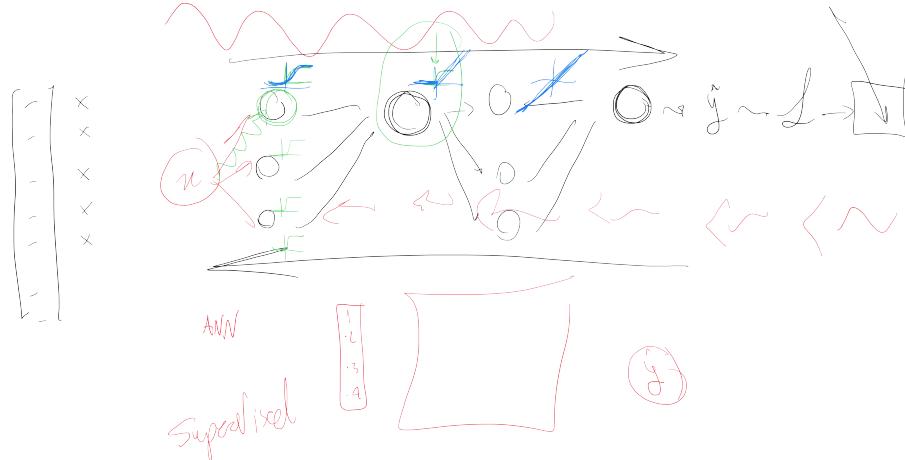


fully network

Artificial neural

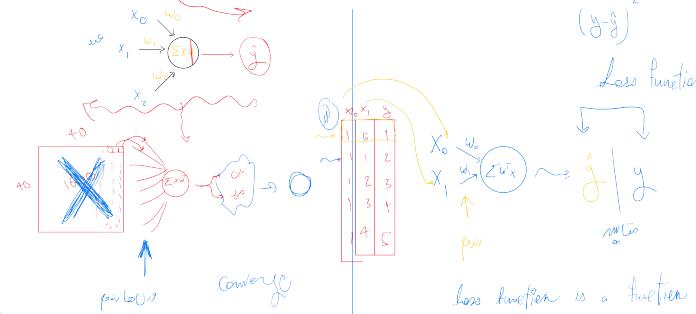


Deep learning \rightarrow age of neural networks

Machine learn \rightarrow perception



DL \rightarrow neural network



$(y - \hat{y})^2$

Loss function

Loss function is a function

x_0	x_1	y
1	6	1
1	1	2
1	2	3
1	3	4
1	4	5

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

x_0	x_1	y
1	0	0
1	1	1
1	2	2
1	3	3
1	4	4

Deep learning \rightarrow age of neural networks

Machine learn \rightarrow perception

AI

other

train

test

train

model

accuracy

TP

TN

FP

FN

accuracy

metric

Experiment

Experiments

Experiments</p

