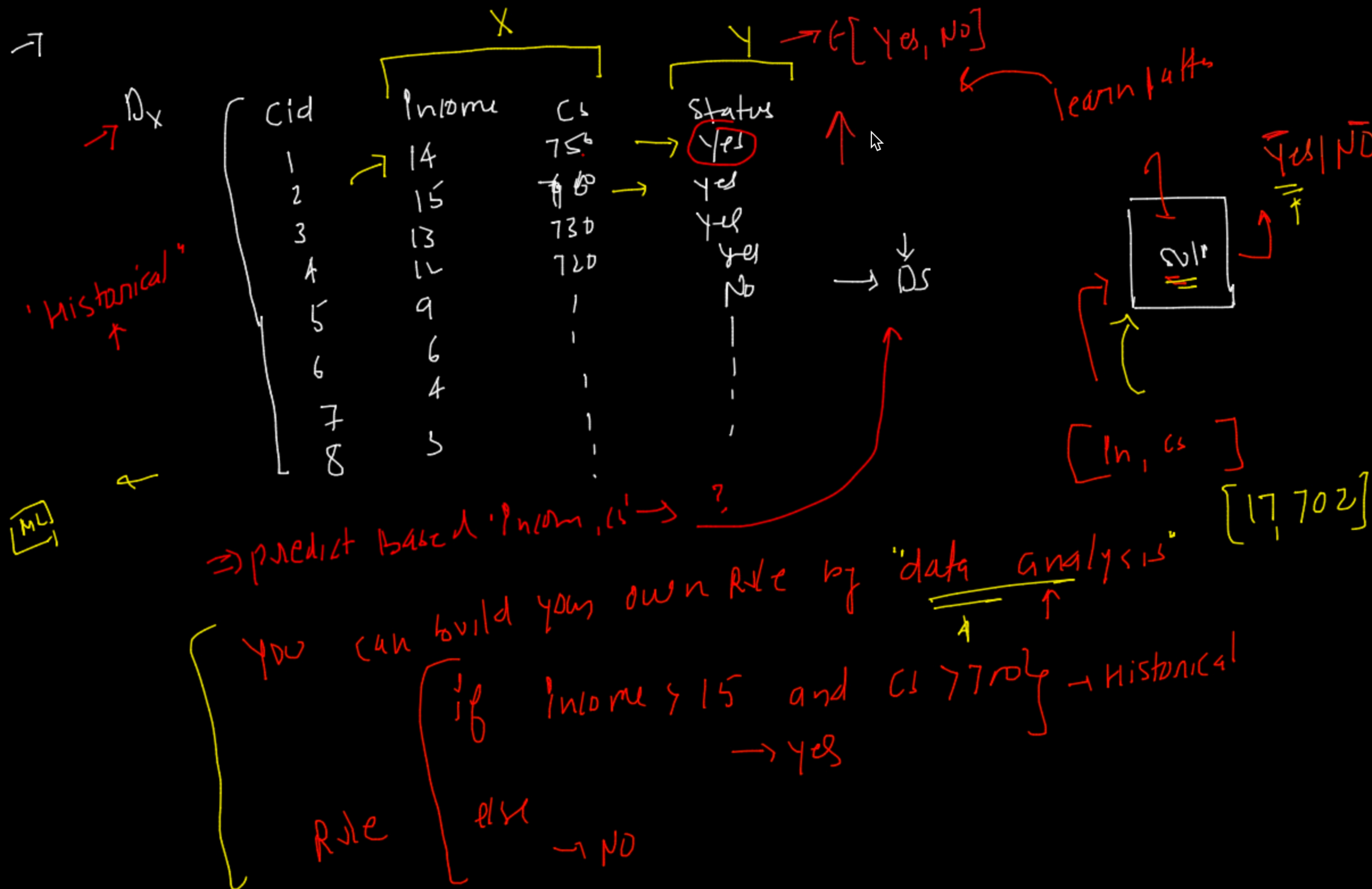

X
Y
∈ [Yes, No]
learn patterns
Dx
"Historical"
Cid
Income
CS
Status
1
2
3
4
5
6
7
8
14
15
13
12
9
6
4
3
750
730
720
Yes
Yes
Yes
Yes
No
DS
soln
Yes | NO
[In, CS]
[17, 702]
ML
⇒ predict based 'Income, CS' → ?
You can build your own Rule by "data analysis"
Rule
if Income > 15 and CS > 700 → Historical
→ Yes
else
→ NO


input
Dx
ML
f( )
Yes/No
(x,y)
apply
hidden
own
Rule
Data Analysis
Dx
SD
Y
cid
income
cs
#of loan
#of active
#of closed
status
1
2
3
4
5
Rules
if income > 15 and cs > 700
→ Yes

D_X
=

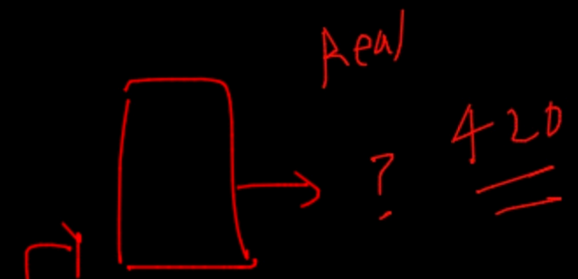
AB
↑

Day	discount	Bhl	~~Sales~~	volume
1	10%	T		340
2	12%	F		360
3	1			1
4	1			1
5				
6				
7				

Regression

what → ? predict volume → day

Day 8 → [15%, 0]



∈(discount, Bhl)

$P_x(x,y)$

$D_x\ (x,y)$

$P_x(x)$

SL UL

ML

(lassification

If you have labeled

"Supervised ML"

unsupervised ML

"K-means"

$P_x(x,y)$

$C=[c_1,c_2]$

(lassification

KNN( )

Log Regression

SVM

DT – RF –

Regression

linear Regression

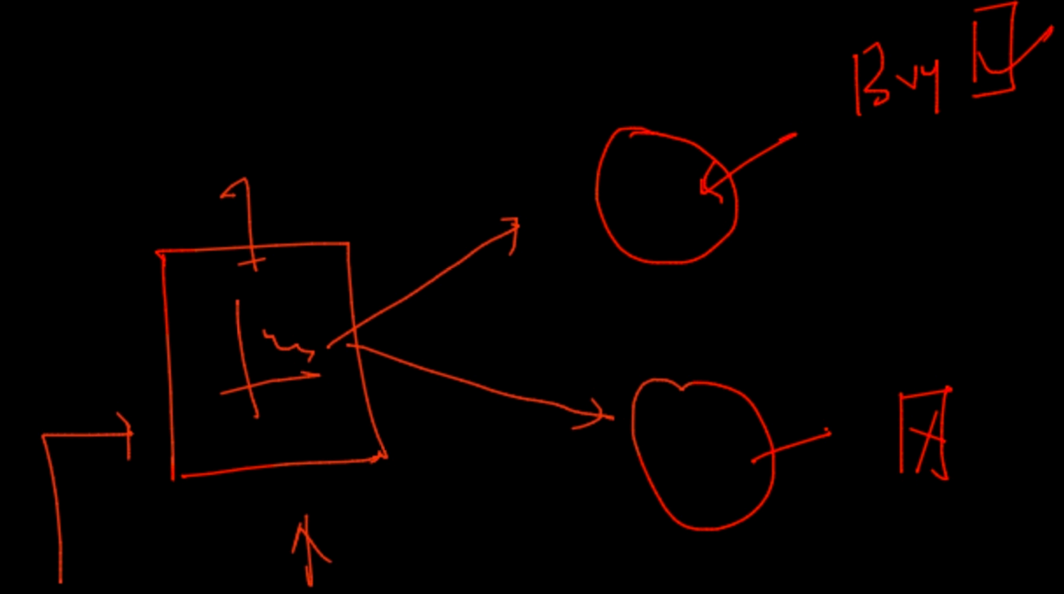
iphone17

X

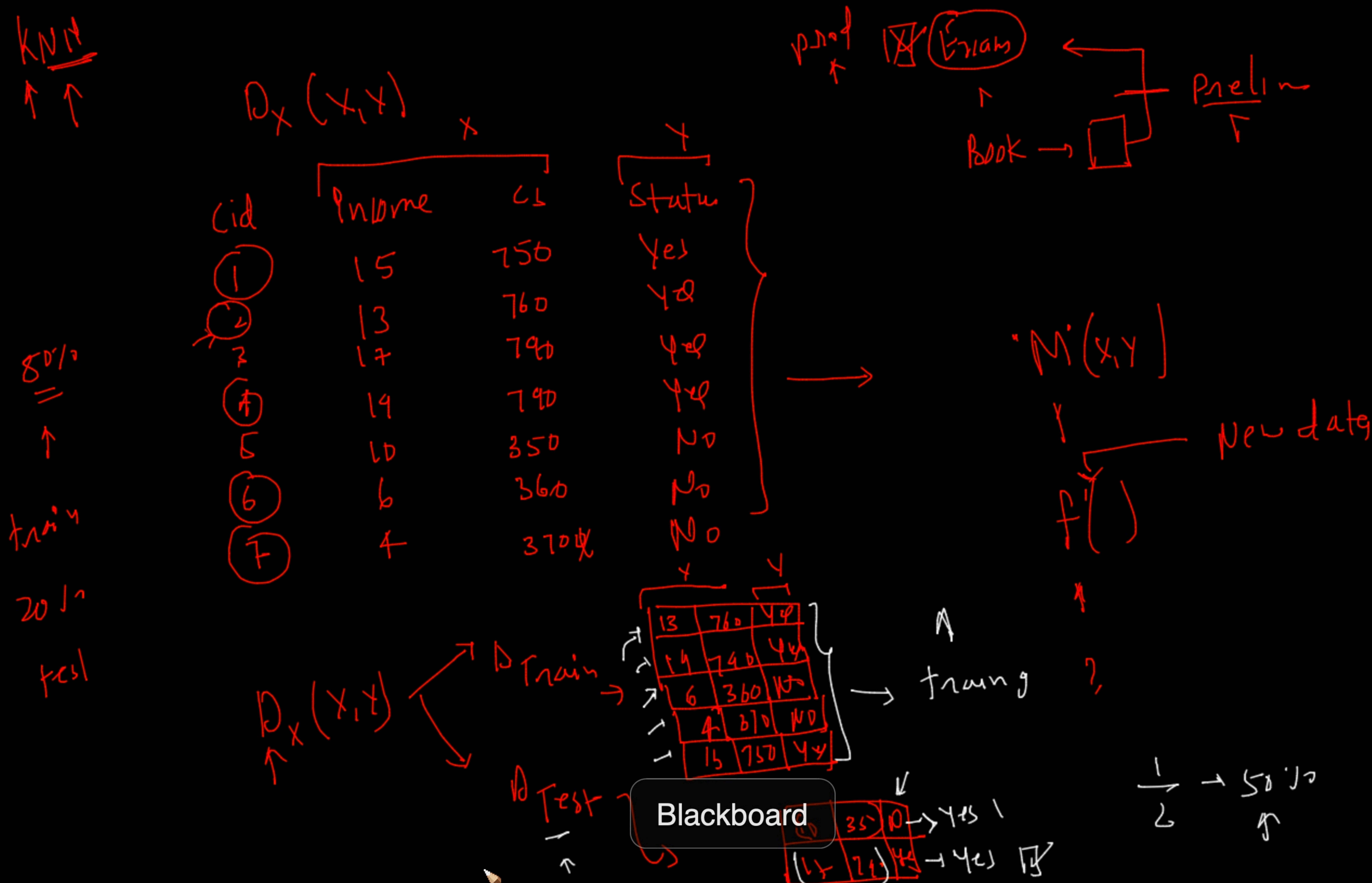
Cid | Transaction history | OS | client

1
2
3

lock

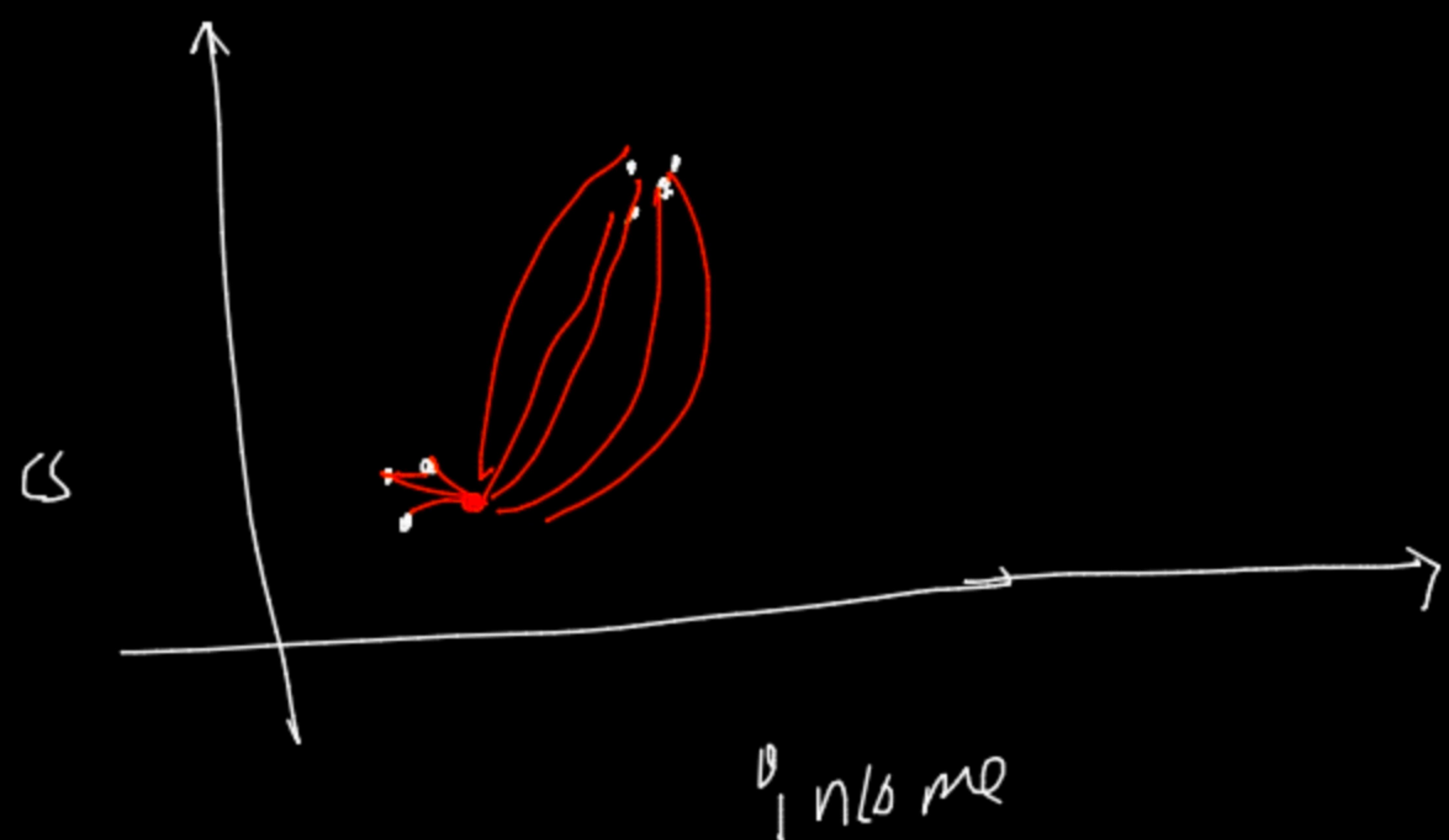


A new page has been created.



Blackboard

7 / 8



KN

K = 3

testing

[10, 370] → Yes

(15, 750) → 2.02

1 → 1.48

4 → 5.90

6 → 1.43

7 → 3.21

sort

6 → No

→ Yes

1 → Yes

7 → No

4 → Yes

Yes

Yes → 2

No → 1