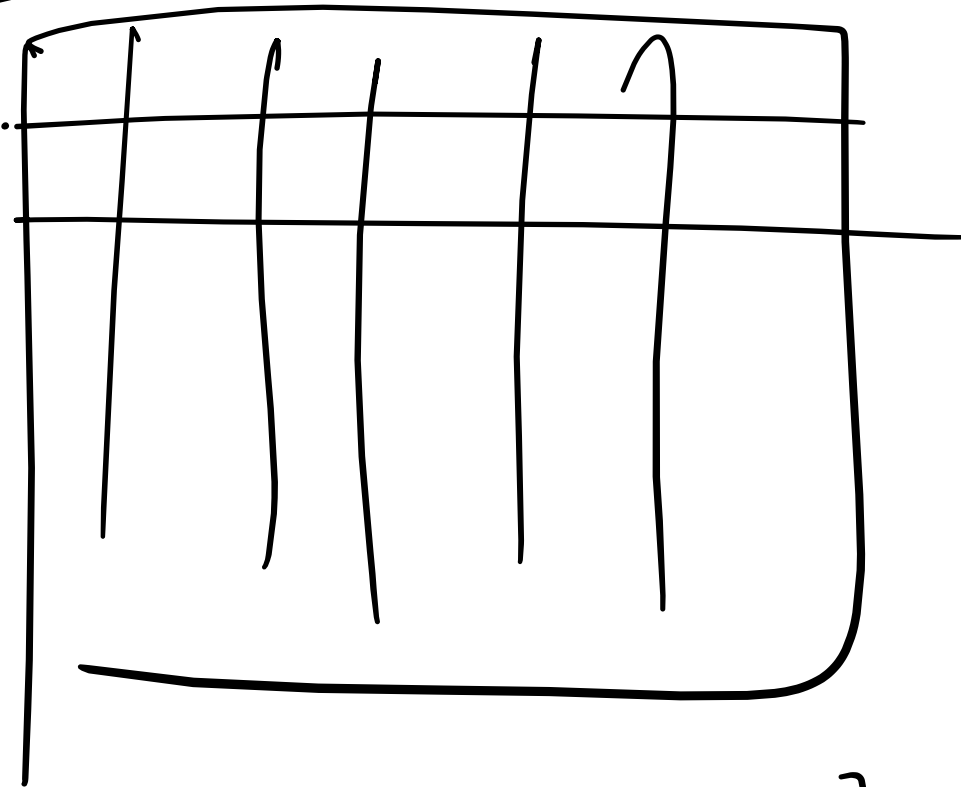




Model → product →

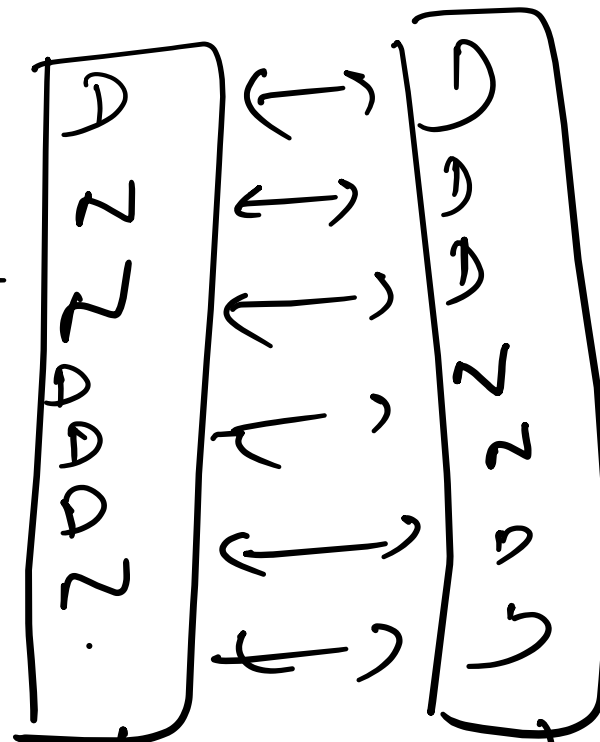
Trained

300



Testing Feature

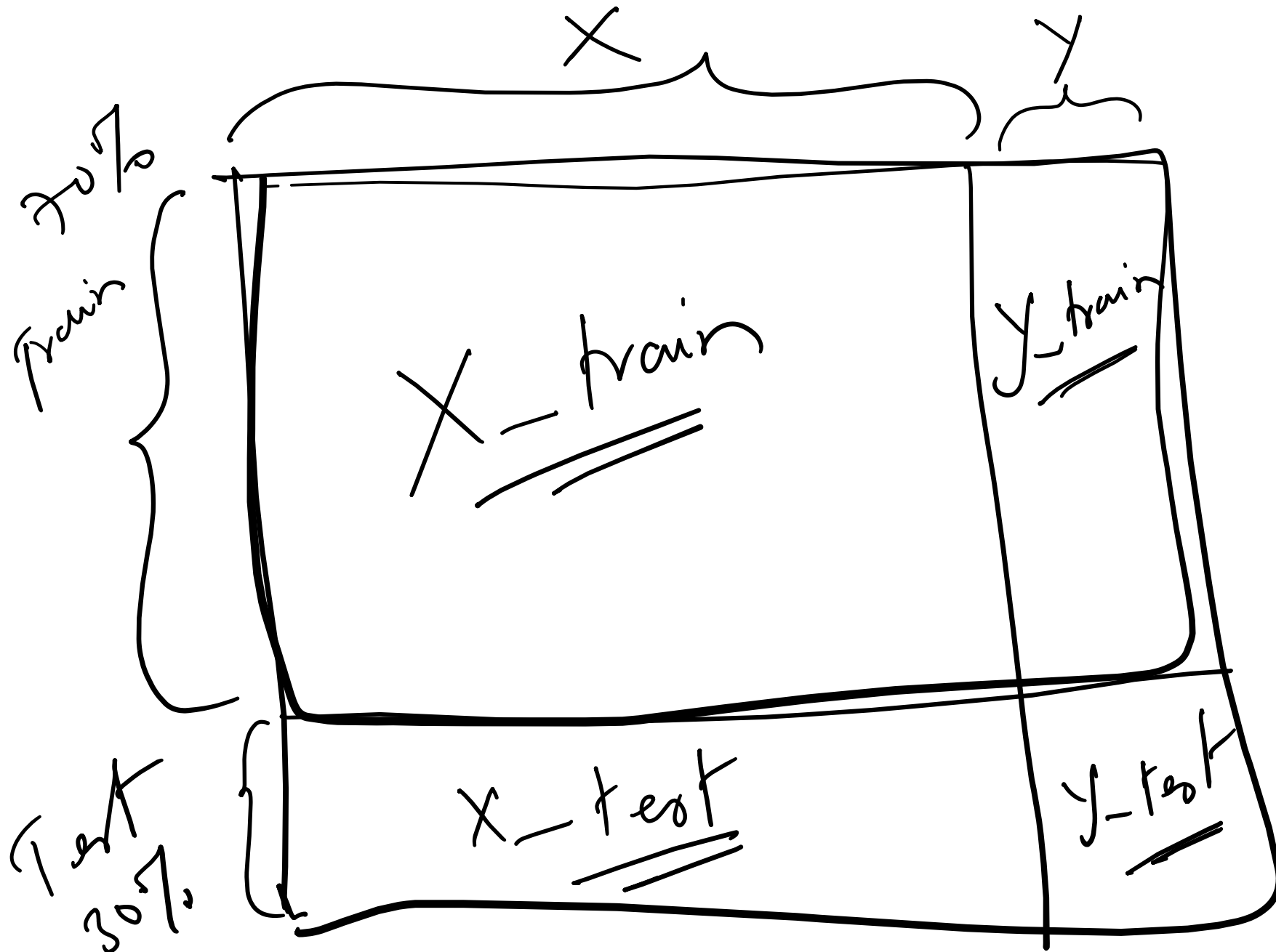
Prediction



output

ground truth

200 ✓  
100 ✓  
200 ✓  
300 ✓  
100 ✓



$X \rightarrow$  i/p Features

$y \rightarrow$  Target  
o/p

70/30

y-pred

test\_size = 0.2,

random state = 1

100

11 → train

2, 10, 12 → train

21 → train

2, 8, ... → train

80% ⇒ train

Random

1 → test

4, 5, 1 → test

20% Random ⇒ test

20% Random ⇒ test

20 / 20  
train / test

random seed = 12

seed = 12

= 12

12

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

80%

3  
8  
5  
12  
14  
...

20%

100%

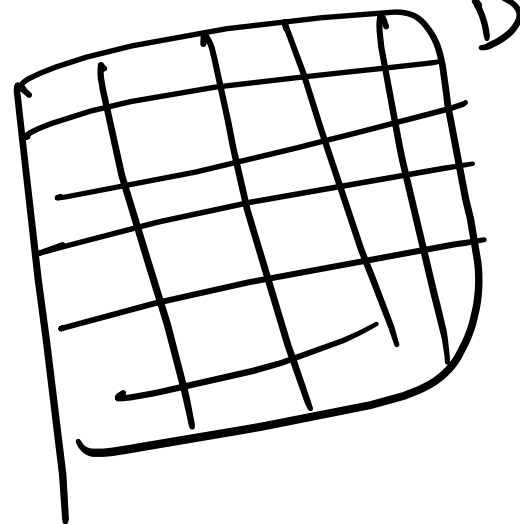
Procs

var

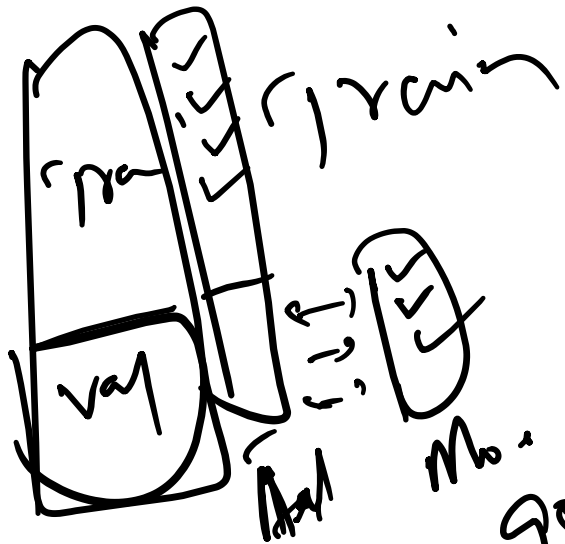
Test

Machine

probs



Dartusel  
page 11



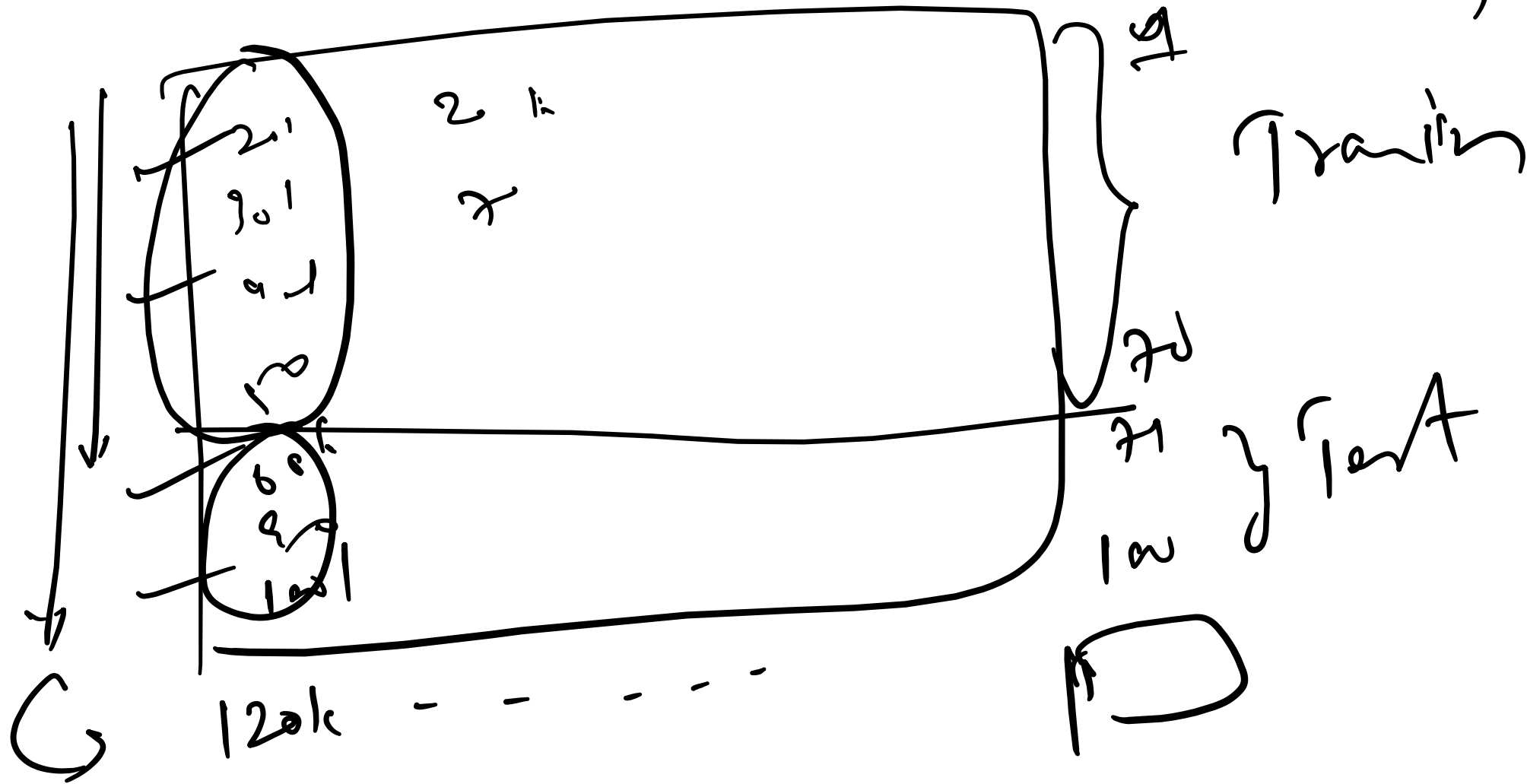
Old part



New part

rad - 8th =

70/30



?

10 people

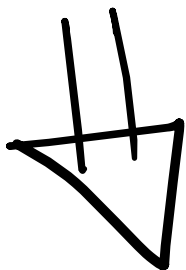
0/1

100

✓ CM

TN	FP
FN	TP

100

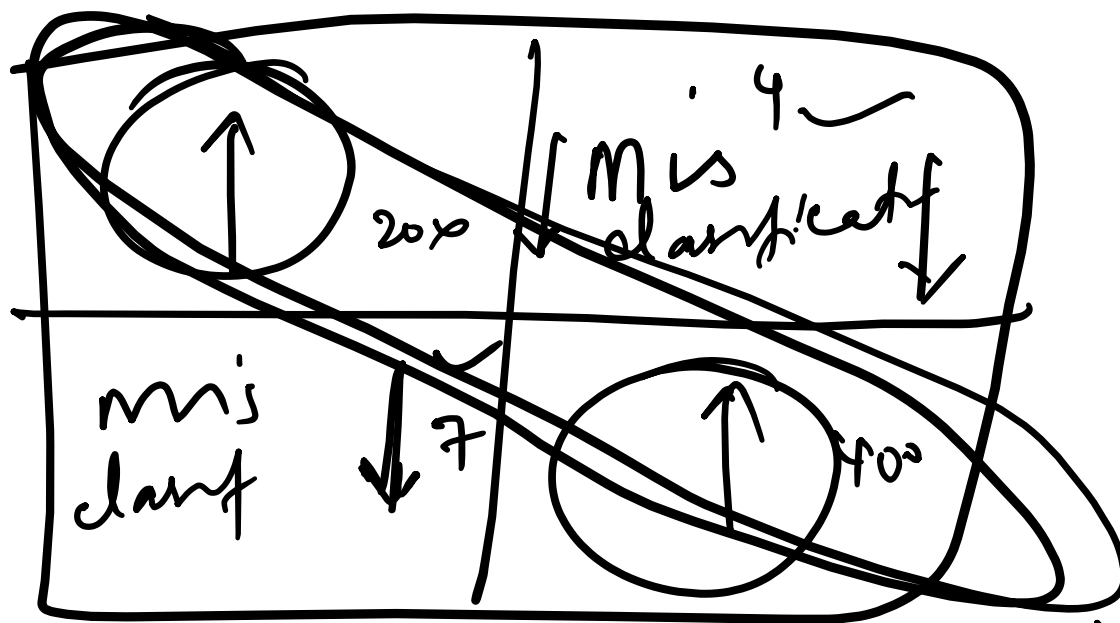


60	10
10	20

✓

TP	FP
FN	TN

✗



Good ✓

Higher number

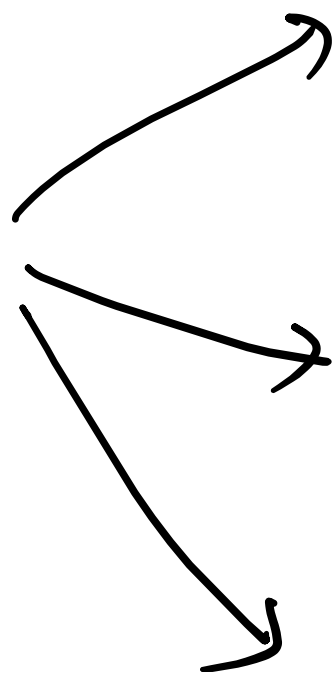


	<u>Precision</u>	<u>Recall</u>	<u>F1-Score</u>
	$\frac{TP}{TP + FP}$	$\frac{TP}{TP + FN}$	$\frac{2 * prec * Recall}{Precision + Recall}$
①	$\frac{TP}{pred\ yes}$	$\frac{TP}{Act\ yes}$	

---

⑥	$\frac{TN}{pred\ no}$	$\frac{TN}{Act\ no}$	$\frac{70}{75}$	$\frac{100}{75} = 1.33$
			$\frac{70}{75}$	$pred = \frac{70}{75} = 0.93$

✓  
NB



Gaussian NB ✓ (normal)

↳ continuous

Multinomial NB ✓ (Discrete variable)

Bernoulli NB ✓ (0/1)

