height = 170	welghol	= 57
neigna = +10	5-6191026	

twit	lin a ne-		neigh	19 = 11		July	
10 14 3/10 In 16 1/1	Height .	Weight	Class	to be	stance	// R	onk
Ves	164,00	51	undetau	eight	45	0	5
ردو	182	62	Norm	ral	169		8
٩	176	69	Norm	nal	190		9
-31	173	69	None	mal	<b>6</b> 58	, fo	6
	172	65	Norm	nal.	68	, ,	<b>6</b> 7
40/10	17401	56	Unde	nweight	. 17		4
tolas	169	58	Now	al	2		1
4	173	867	Self Nor	mal	hgalan	אניזע פ	3
	170	55	Norz	mal	40	15	2_
j.	Herre, Na 3 values	lue of which	K=3, 50	2,1	will ta	ke t	he less!
	2 -> 1	vorzmal					
	4	> Norm	ay	1-01-2		7.3	
5	7.30	> Norr	ma)	2	4.		0
(0)	so, heigh	t=170	(cm) an	d wet	ight = 5	7 (gm)	) <i>[</i> 2
4.	( Noro	nd co	165 ·	ns:	30100	turis.	
7		P.D )	13 (1	- (	(C. )	1	

DBSCAN: P1:(3,7), P2:(4,6), P3:(5,5), P4:(6,4), P5:(7,3), P6:(6,2) P7: (7,2), P8:(8,4), P9:(3,3), P10:(2,6), P11:(3,5), P12:(2,5) P11: P2. E10. E12 P11 P8 P9 P10 P12 P7 76 P9 P1 P2 P3 P5 PI 0 3)1001203 Sun 1.41 dulale P3 2.83 1.41 P4 4.2 2.83 1.41 P5 5.66 4.24 2.83 1.41 0 P6 5.83 9.97 3.16 2 1.41 Dorold 3.61 2.24 1 1 0 P7 6.9 Pg 5.83 4.47 3.16 2 1.41 2.83 2.24 0 P9 4 3.16 2.83 3.16 4 3.16 4.12 5.10 3.16 4.47 5.83 5.66 6.40 6.32 P10 1-91 2 P11 2 1.41 2 3.16 4.47 4.29 5.00 5.10 2 1.41 0 P12 3.16 2.83 3.16 9- 5.10 4.47 5.39 6 1.41 1.91 0 13/010

		the state of the s
P1: P2, P10		5, PG 17/19 1971
P2: P1, P3, P11	J. (T. 2) : 07 P8: P	5:M. (1(8):13
P3: P2 , P4 019	P9:	P12 P1, P11: 1): 11
P4: P8, P5		: P2, P10, P12
P5: P4, P6, P7, P		: P3 . P11 17 (1)
PG: P5, P7		
minPts =	a and epsilor	n(2)=1.9
Point	State	
P1_	Noise	Bonder
P2	Cone	
<b>P3</b>	Noise	Bonder
P4	Noise MI	Bonder
P5	cone_	E. 2 . E. 2
F6	Noise	Bonden
	Noise	Border
P7-	Noise	Border
P9 30.5 30	Noise	1-18 2 3.16 4-17 B
) P10 2 DE	Noise	Bonder !
P11 P1- C	· Corre DO	306 2,23 3.16 4 5
P12 -	Noise	Border
The second second		und bannaud augeold green act

$$0 = \left[ \frac{1 - K + 2P}{5} \right] + 1$$

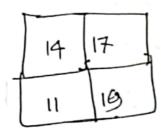
$$= \left[ \frac{5 - 23 + 2 + 1}{1} \right] + 1$$

$$= \frac{2 + 2}{1} + 1$$

$$= \frac{5 - 23 + 2 + 1}{1} + 1$$

6	14	17	11)	3
14	12	12	17	"II"
8	0	17	19	13
11	9	6	14	12
6	14	14	6	4

Fooling ---> max pooling average pooling



max Fooling

1	11.5	14.25	
	9.5	14.0	

Average Fooling

$$\frac{F_1 \text{ Scorre}}{F+R} = \frac{2xFxF}{F+R}$$

$$= \frac{2x\frac{3}{5}x\frac{3}{5}}{\frac{3}{5}+\frac{3}{5}}$$

CNN

Keronal = Filter

Stride Padding Pooling

				-		1
	3	3	2	1	0	
	0	0	1	3	1	1
1	3	1	2	2	13	1
İ	2	0	0	2	12	1
1	2	10	J 0	1	) (	1

0	1	2
2	2	101
0	1	[2]

12	12	17
20	17	19
9	6	19
		4.1

Output = 
$$(1-1)+1$$
  
=  $(5-3)+1$   
=  $2+1$   
= 3

Output, 
$$0 = \begin{bmatrix} 1 - K \\ 5 \end{bmatrix} + 1$$

$$= \begin{bmatrix} 5 - 3 \\ 2 \end{bmatrix} + 1$$

$$= \frac{2}{2} + 1 = 2$$

Confusion Matrix Actual value. tendiction Term\_ \* LEF, 1 FN 0 D→Negative 0 1 1 1 TP M 0 0 TN 0 1 1 0 1 Confusion Matrix Recall,  $R = \frac{TP}{TP + FN}$   $= \frac{3}{3+2}$   $= \frac{3}{5}$ Precision o, P = TP TP+FP = 3 3+2 - 3

feet.

Logistic regression g(h(x)) > 0.5 = class: 8(h(x)) < 0.5 = class Parameter Oftimization: 0=1, 0=1, 0=2=2 Hypothesis function; h(x)=g(60+01x1+0x2+ ...+0m2n)  $h_1(x) = g(1+1+4) = g(6)$  $869 = \frac{1}{1+e^{-2}} = \frac{1}{1+e^{-6}} = 0.997$  $h_2(x) = g(1+2+6) = g(9)$  $g(h(x)) - \frac{1}{1+e^{-x}} = \frac{1}{1+e^{-y}} = 0.99 = closes 1$  $h_3(x) = g(1+3+8) = g(12)$   $g(h(x)) = \frac{1}{1+e^{-12}} = 0.99 = class 1$ ha(2) = 8(1+9+10) = 8(15) 8 (b(2) = @ 1+p-15 = 0.93 = class 1