Q(x)	y	Q2 (X)
2	1	4
1	2	5
2	3	6
5	4	1
6	5	\ 4
7	100	10
6	7	10

Q1217= C

Метрини почества ила си ринации a coura my

6, (x)

bougaiem 100 upequimob

80 bepuyen

20 ue bepuyen

2 ne bepuyen

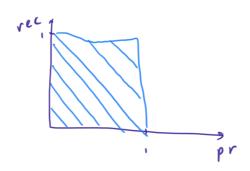
/	bane	y = 1	g = +1
cpasambe	Q (x) = 1	TP	FP
a pompor	Q (X) = -1	FN	TN

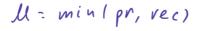
precision: TP+FP goberant Moyena Character cha

recall: TP+FN na cuant us no gent (namoma) TP+FN on bannesa no som. una co

O 5 se quie une morno cum a novuo mo

rec = 0.55





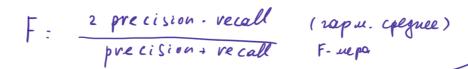
pr=0.5

rec=0.9

rec=1

W=0.5

M=0.5





$$F_{\beta} = \frac{(1+\beta^2) \text{ precision · vecall}}{\beta^2 \cdot \text{ precision + vecall}}$$

$$\beta = 0.5 - \text{ bannel moreound}$$

$$\beta = 2 - \text{ norms ma}$$

Mem pure care anda pausur poboence

$$\alpha(\alpha) = \text{Sign}(w, \alpha)$$

$$Q(x) = Sign(\langle u, x \rangle - t)$$

	· cups.	2 crys.
< W, x >	14	14
100	11	7 (
98	+ (-1
50	4 /	+1
10	4 1	- 1
1:	,	+ 1
1	+ 1	1:
- 1	- 1	11
15	-1	\'

ROC - upubas

$$\alpha(x) = [\beta(x) > t]$$

6(2) = < W, x >

Q(x) = [b(x) > t]

nonagament
ybeginno com

$$|b(x_{i})| \leq |b(x_{2})| \leq |--|b(x_{2})|$$

$$|b(x_{i})| \leq |b(x_{i})| \leq |--|b(x_{i})|$$

$$|b(x_{i})| \leq |--|b(x_{i})| \leq |--|b(x_{i})|$$

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$$|b(x_{i})| \leq |--|b(x_{i})|$$

$$|b(x_{i})| \leq |--|b(x_{i})|$$

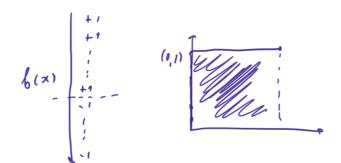
$$|b(x_{i})| \leq |--|b(x_{i})|$$

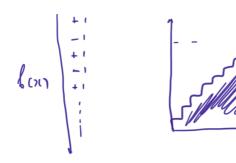
$$|b(x_{i})| \leq |--|b(x_{i})|$$

$$|b($$

$$t_i = \frac{b(x_{i-1}) + b(x_i)}{2}$$

TPR



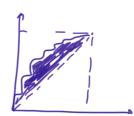




- b(x)

a) ungle c Drawn (Gini)

Gini = 2. LUC-ROC -1



5)
$$50.000 \quad g = -1$$
 $4 \quad y = -1 : 1.000,000$
 $b(x)$
 $y = -1$
 $4 \quad y = -1 : 100$
 $4 \quad y = -1 : 100$
 $4 \quad y = -1 : 100$
 $4 \quad y = -1 : 100$

t: « no som. mencey ormollen 95 seamen.

TPR: 35 : 0.95

... . . , , , , , , ,

Precision- recall upubas

Precision

tmax vec: 0

Emin: Pr = # 4 = +1

AUC-PRC

precision 7.0.9
recall - man

prelision = recall : 0.6

pr:0.55