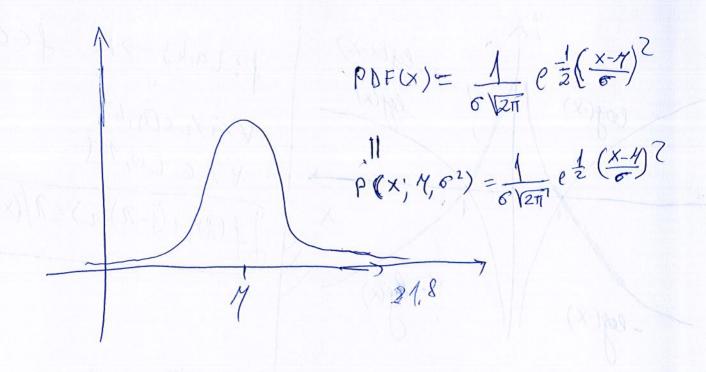
Lookan Tist taku Jul 2027 FXY(X,Y) FXX(XXX) YSY) = P(X =x 1 y=0) = txy(x,0) Hence, Fx(X) = P(X < X) = lum Fxy(X11) Fy () = P(Y=y) = P(X=0, Y=y) = Fxy (0,y) = = lim Fxy(x, y) PCX1 < x < x2, 4 < Y < Y2) = ? HOWTO CALCUMATE Fx (X1, 41) F(X21/2)-F(X1 /2) - F (X2141)+F(x1/4) F(x1/8) Fx (x2) = Fxy (x2,00)

P(PX = X2) Y1 = Y = Y2) > Fxy (X2, Y2) = Fxy (X2, Y1) Stp (1) (MM2) (X2, /2) Answer EXZ, YD F (/2/ 42) Step II Fxy (x2, Y2) - Fxy (x2, Y1) - Fxy (X1, Y2) Shep !! Fxy(x1/2) - Fxy(x1, 1/1) - Fxy(x1, 1/2) + Fxy(x1, 1/2); Was removed twice P(X1=X=X)/1=4=4=)

feco (9.65) fita,63->R YXIXZETAIBJ YTE CO,17 1 f (7x1+ (1-7)x2) < 2 f(x)+(1-1)f(x) Convex function is a CONTINOUS FUNCTION in its domain whose value at midpoint of every underval does must exceed the aritmethic mean of its kolices at the end of interval T: [a,b] -> R', leco; Zerope Hx1X2 EE9,6) $\int f(\lambda x_1 + (1-\lambda)x_2) \leq \lambda f(x_1) + (1-\lambda)f(x_2)$



Fxy
$$(X,Y) = P(X \leq X, Y \leq Y)$$
 $Fx(X,Y) = P(X \leq X, Y \leq \infty)$
 $Fx(X,Y) = P(X \leq X) = P(X \leq X \land Y \leq \infty)$
 $F(X) = P(X \leq X) = P(X \leq X \land Y \leq \infty)$
 $F(Y) = Fxy(X,\infty)$
 $F(Y) = Fxy(X,\infty)$
 $F(Y) = P(Y \leq Y) = P(Y \leq Y)$

X>OCTXEJO,+OC -x must be >0 => x >0 => x <0 leep (-X) ? house x<0 does exist lyoex) Thus, if we Ax of Symetry log(-X) = log(-(-1)) = log(1) log(-(-2)) = log(2)

Actual IS Neg(0) 2 Positive(1) At 98 N 20 pre 98 p 2p Predictes, \$800 posit Precision TP = 2% FP-170 9812-2 Record = TP = 2=1 TP +FM 210 pre 2%+100% FP= 98% 100 I pred le the eye is not is outside the eye is not en ones pusitiv

Jam terms

2

perm

merm -(M+1)m $\sum_{k=1}^{m} k = 1 + 2 + 3 + - - + m = \frac{1 + m \cdot n}{2} = \frac{(1 + m) \cdot m}{2}$ K=1 $2+4+6+8 = (1+2+3+4) \cdot 2$ 1+2+3+9+5 (1+5).5 (1+7.2.5 = (1+5). 2+ 1+5 I 602#3

20 = 472-

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 1,12=13=4m 72K = 2 2 P 2,11=13 3,10=13 4 even numbers @2+4+6+8=20 1+2+3+4+ 4 first numbers 2+4+6+8 = 2. (1+2+3+4) 2=1+1 2 = 1 + 1 4 = 1 + 3 = 2 + 24=2+2 6 = 2+4 = 3+3 8=3+5=4+4 Em first even = 22 first me = 25K M/2

$$pero P(Z,0) = P(Z|0) \cdot P(0)$$

$$= P(0|Z) \cdot P(Z)$$

$$mar(z) = \sum_{\theta \in \Theta} P(2, \Theta) = \sum_{\theta \in \Theta} P(\theta|z) P(z)$$

$$E[x] = Ex$$

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