Tutosial - 6

8.

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Knishna Panduy UZOCSIIU

_			THE WATER				
-1	×	9	dx = (N-MA)	dy= 4-4A	JA7	dy2	dndy
					10	9	0 3
	65	68	2.00	3	0		7
	63	66	-2	1	4		
	67	68	+2	3	4	9	6
	64	65	41	0	1	0	0
	68	69	3	Ч	9	16	12
	62	66	-3	1	9	١	-3
	70	68	5	3	25	9	15
	66	65	104 - 1200	0	1	O	Õ
	68	71	3600.01	6	9	36	18
	67	67	2	2	4	4	4
	69	68	4	3	16	9	12
	71	70	6	5	36	25	30
	Londo.	F 4 15	Edn=20	Edy=3	Edn2-117	2 Edy = 11	19 Eddrody = 92
							= 92

- 35	and a (RAN) and who	58	
न्।	0 0		
373	0 0 0		
67	0 0 0		
LS CY	At I had I had		
4	Are my 4	N	
(1-		1	
231	(1 62 63 64 65 (6 67 68 6970 7172	3	

Edy2 - 1 (Edy)2

F 11 3	Date: / /
1 1 1 1 1 1	92 - 1 20.31
(A3.77.71.79.1	12 = 1.0364
	11.9 - (31)2
J. J. 15.	12
America .	
0	bu = 92 - 1 20.31
Carl.	byn = 92 - 12
	11.8 - (20)2
	12
121	1 8 1 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5-	2 0.4763
21	Jony - byn
0	
21 1	20,6979
74	
(i)	y on n → (y-67.66) = byn (n-n)
08 3	· y = 67.66 + 0.4763 - 31.75
July lovery	= 0.4763M+ 35.909
1100	
	$n \text{ on } y \rightarrow (n-\bar{n}) = b_{ny}(y-\bar{y})$ $n-66.66 = 1.0364(y-\bar{y})$
	11-86.66 = 1.0364 (9-4)
	Mr. 1.024U (124.222
	n= 1.0364y + 136.782
501-2	ny ny n2 Eyz
	1 6
	2 4 8 4 16
	3 3 9 9 9
	9 5 20 16 25
	20 25 16
	36 4
	En= 21 Ey-24 Eny- 25 En2= 91 = 242= 106

$$y - y - 21 - 0.9 \left(y - 2y \right)$$

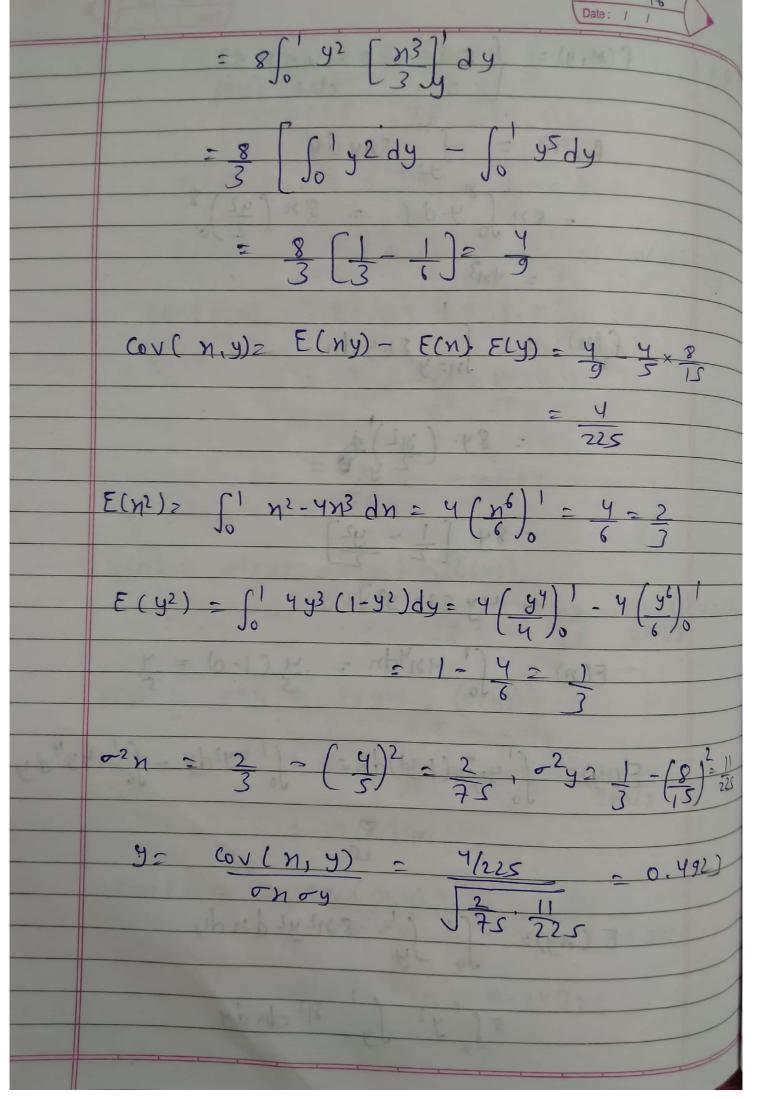
f(n,y).	×					
	Ges!	0 0	413-	2	0	
v	0	3/28	9/28	3/28		
JIXWI -	1 1	3/14	3/14	0		
SEXTE S	2	1/28	0	0		

0-3

$$E(n) = 0 + 15 + 6 = 0.75$$

1	Date: / /
	9 0 12
	PIY) 15 12 1 28 28 28
	28 28
	1 12 12 00.0
	E(y) = 0 + 12 + 2 = 0.5
	$E(ny) = 0 + 0 + 0 + 1x3 \times 1 + 0 + 0 + 0 = 3$
	$cov(n,y) = E(ny) - E(n) \cdot E(y)$
	= 3 - 21 x 14 14 28 28
	= -90.1604
-	
	$V(n) = \sigma^{2}(n) = E(\chi^{2}) - (E(\chi))^{2}$
	$= 0 + 1^{2} \times 15 + 2^{2} \times 3 - 21 \times 21 = 0.403$
	The state of the s
	$V(y) = \partial^2 y = E(y^2) - (E(y))^2$
	= 0 + 12
20 A L	$= 0 + 12 + 4 \times 1 - 14 \times 14$ $= 28 + 4 \times 1 - 14 \times 14$ $= 28 \times 28 \times 28$
1000	: 0.32/4
	Corr(N,y) = Cov(N,y) = -9/56
	on oy 0.6337 x0.5669
	= -0.44736

f(n,y) = { 8ny ocycn<1 0-4 $f_n(n) = \int_{0}^{\infty} 8ny \, dy$ $= 8n \int_{0}^{3} y \cdot dy = 8n \left(\frac{y^2}{2}\right)^8$ = 4843 $f(y) = \int_{n=y}^{\infty} 8ny dn$ = 8y. (NL) $= 8y \left[\frac{1}{2} - y^2\right]$ = 47 E1- 42) E(n) = (4 y dn = 4 (1-0) = 4 E(y)= ['4y2 (1-y2)dn= ['4y2dy-['4y4dy E(ny)= [1] 8 n2 y2 dn dy 8 sy2 Sy no andy



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0-5

$$S = a + b \times$$

 $E(x^2) > E(\lambda^2)$

$$E(y) = E(a+bn)$$

$$= E(a) + bE(n)$$

$$E(n) \cdot E(y) = a E(n) + b [(E(x) \cdot E(n))]$$

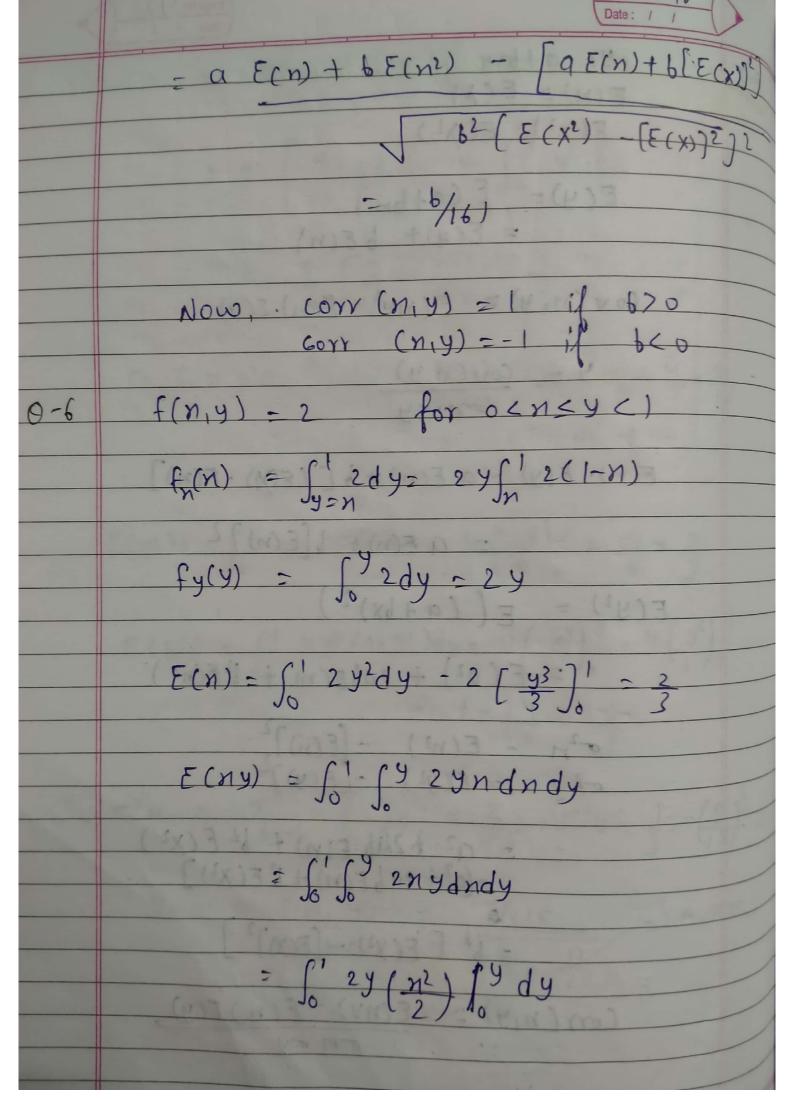
$$E(y^2) = E((a+bx)^2)$$

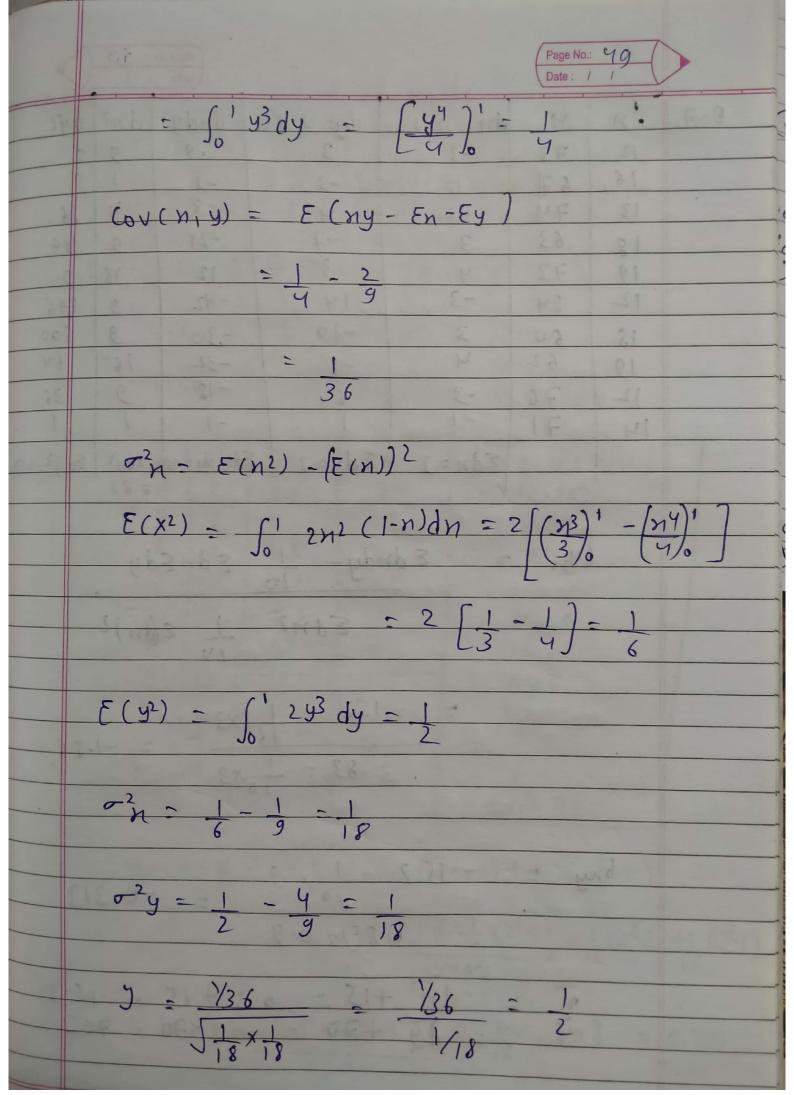
$$\sigma^{2}n - E(n^{2}) - [E(n)]^{2}$$
 $\sigma^{2}y - E(y^{2}) - [E(y)]^{2}$

$$= a^{2} + 2ab E(n) + b^{2} E(x^{2})$$

$$-(a^{2} + 2ab E(n) + b^{2} E(x^{2}))$$

$$= b^2 \left[E(X^2) - \left[E(X) \right]^2 \right]$$





- 25					Date:	1 1		
0-7	·'n	4	dn=n-15	dy= 4-70	dndy	dn2	dy	
	12 >	73	-3	3	-9	9	9	
	16	67	1	-3	-3	1	9	
	13	74	-2	4	-8	4	16	
	18	63	3	-7	-21	9	49	
	19	73	4	3	12	16	9	
1	12	84	-3	14	-42	9	196	
100	18	60	3	-10	-30	9	100	
	19	62	4	-8	-32	16	64	
	12	76	-3	6	-18	9	36	
1	14	71	-1	1	-1	/		
			[= nb3	Edy=3 E	idn dy =-15h	Ednz	Edy 2 459	
		THIS	1	438.77	\$6 POLL	= 87		
1 1/4	10-1	(80) 5	:= 110(14-1	M. 17	= (SX	13	Maria	
10/1	byn = Edndy-1 EdnEdy							
	Edn2-1 E(dn)2							
	10							
	102							
	= -152 - 13x3							
	83 - 1 x0 = -1.86							
	83 - 1009							
	bn	4 =	- 1C 2	1 -	0			
	7,0	y –	13 2	-10 X 9	-	0.31	7	
		2.1	0.1		2 7	0.37		
		1731 8	4	89-0.9				
		N =	dn +	15	20 10		(.)	
			4)		0,5 770	70		
	11						H	

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if on n

9-70.3-6yn (n-15.3) 9+1.86n-1.56x15.3+70.3

9+1.86M= 98.758

9= Jbny-byn

 $= \sqrt{1.86 \times 0.313} = 0.763$

H			1	1 1 1 1 1 1	P CRA SILL	
8	n	9	R	RZ	di2=(Ri-Rz)2	
	6	8	3.5	7		/
	5	7	2	45	6.25	
	8	5	7.5	4.5	6.23	
	8.	10	7.5	9.5	March	
	7	5	5.5	1		
	2006	8	35	27	20.25	
	10	10	10	9.5	12.25	
	4	6	1		0.25	
İ	9	8	9	2.5	2.25	
ı	1 (7)	6	5.5	2.5		
1	82 - 100	26		7.7	9	
-		- +		12	Edi= 79.5	
П						

 $y = 1 - 6 \left(79.5 + 1 \left(2^{3}-2\right) + 1 \left(2^{3}-2\right)\right)$

 $-\frac{1}{12} \frac{(2^{3}-2)}{10\times99} + \frac{1}{12} \frac{(2^{3}-2)}{12} + \frac{1}{12} \frac{(2^{3}-2)}{(2^{3}-2)}$