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Lugare	"	-(3h)	vyla

Tutorial sheet;

91:	Calculate Linear agression coefficients brom the trollowing
	34:12345678 $4:37101214172024$ Ans >1 byx = 2.7976 and bxy = 0.3540
12(2)	From the tollowing data. Find the most likely value of y when x = 24
	Mean 985.4 18.1 and 1=0.58 S.D 36.4 2.0
9 (3)	And, y = 10.556 x + 794.73, y = 1048 (Approxi) The equations of two regression lines, obtained in a Conselation analysis of 60 observations
	Sx = Gy + 24 and 1000 y = 768x-3608 What is the Coeff of Conselation and what is the enation of variances of x and y. Ans ->1 9 = 0.96 and Tx - 5
	VV 4

0431	(Siliwhai)
	A fanel of two Judges, A and B, graded
	Seven T. V. Serial performances by awarding
	marks independently as shown in the bollowing
	dance:
feature	ance: 1 2 3 4 5 6 7
moters	
rivina k	4 A 1 46 42 44 40 43 41 45
mouks	by B: 40 38 36 35 39 37 41
,	
the	Eighth T.V Pertonmance which Judge B could
	not attend, was awarded 37 marks by Judge A"
	it the Judge B had also been Present, How many
	marks would be expected to have been awarded
	by him to the eighth T.V perturmances.
	Ans->(33,5) marks.
Q(5)	Two lines of negression are given by
	2+2y-5=0 and 2x+3y-8=0 and +2=12
	Cal culate
110	(i) The mean value ob x and y
	(i) variance of y (iii) The webb of waselation
1	b1 w and y
	And 50 $\bar{x} = 1$, $\bar{y} = 2$ (\bar{n}) \bar{y} $(317) - \sqrt{3}$
	2

The means of a bivariate facq distaination 8.6 age at (3,4) and 9 = 0.4. The line ob sequession of y on x is farance to the Line y=x. Find the two lines ob againston and Estimate value of x When y=1 9.7: Given N = 50, Mean ob y = 44 raniance of the is 9 of the Mariance of y Regression eq ob x on y is 3y-5x = -180 Find as mean of x iii) coets cot correlation blis or and y. And + (i) 62.4 (ii) 0.8 And For an army Persons of Strength 25, the regression of weight of kidneys (x) on weight of Heart (x), both measured in ounces is y-0,399x-6,934=0 and the agression of weight of heart on weight of kidney is x-1.212 y+2.461 = 0, Find the conseletion Coeff. blw or and y. Can you find the S.D Of 2 and y. Ans: 9=0.7, 2=11.5086, 9=11.5261. Trand Ty, ---- fi