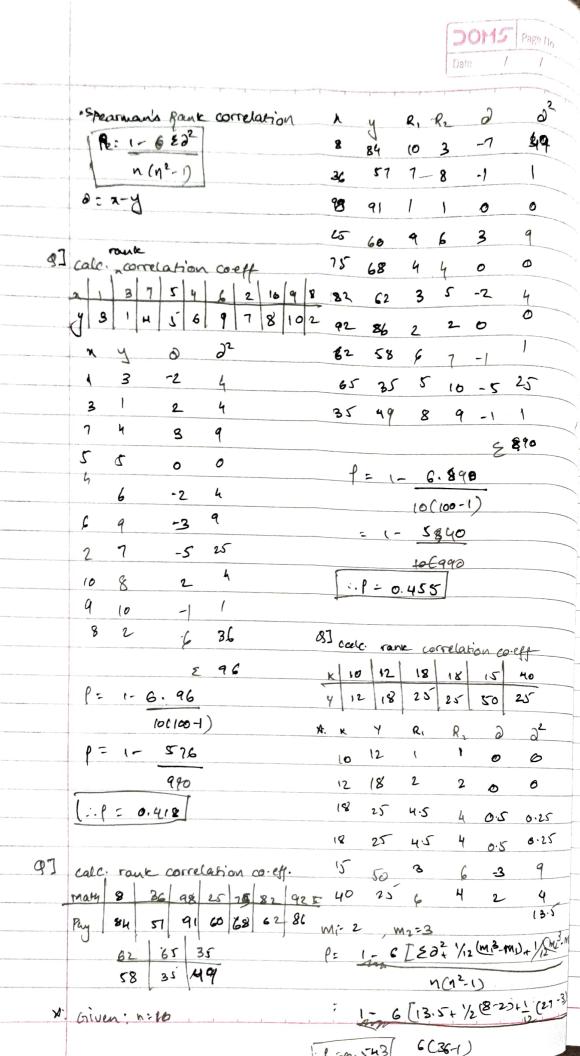
CORPERTION & SCARESSION	Y Ca	les corr	elation	coefficien
econstation refers to the relations				
this tim or more variables.	- 31	12 20	25	33 3
· fegression extablishes a func	hiven	: n= s	, 52 = 1	3, 4:25
relationship has the variable	o (n-n)	(4-4)	( - x)2	4-43
correlation is classified into 4	-8	-13	64	3, 4.25
MPENT.	-4	-5	16	45
1. the the correlation	•	100		
2. Simple & Multiple correlation		8		64
s. Partiel & Total correlation	8		64	100
4. Linear & Monlinear correlation	2 0		160	\$48
· There are two methods of	Y=	£ ( n - 2	ひとりつう	
studying correctation	Emm	J201-22		
+ Graphical	1.	236	1-2-42	SERVE AT UN
→ Mathematical				CD-NH
	5.0	7160 7	378	2.02-48-9
* correlation coefficient: -1551		0.1061	8075	6, DF 15,635
· Karl reasons coefficient of correlation			CAN I'S	N SW S
ox oy	A service service and			coefficient
				8 11
7= 2(x-\(\bar{x}\)) \(\overline{x}\)	71	18 12	10 8	1115
ECX-W'   SCY-937	- N	y	N2	12 m
soid Eny- Engy u	2	18	4 3	36
	4	12	14 1	44 48
2 n2 (2102 2 y2 - Exp2	3	10	25 1	00 50
7 1	6	8	3.6	64 HB
-correlation co-efficient is	8	7	64 4	9 56
independent of change of	11	5	121	25 85
arigin & change of scale.	2 36	60	266	106 2
		c.	_ 225	<b>2</b> 4
	r Ca	Z24		
→ Too independent variables are uncorrelated. Converse of the		zng	n	. 0., 18

1.7.84

of xis 16. Find s.d. at Y ALT . CON CK, Y) 1.5 · 09203 Criven (= 0.48 al case coefficient of correlation 3 17 1 21 26 20 28 26 29 1 28 27 25 26 27 25 30 33 Sdx = 516=4 Given: n+8, a: 23, 6= 27 Ox = 4 - a = x-23 dy: \$ 10: 4-27 dy Dx2 dy2 dxd 17 23 19 27 -4 = 18.75 0 9 0 25 4 -10 QI given pi 25 corrected 25 9 9 30 86 36 36 29 83 2y=(00 2y:100 flu+6)+(12+8)=(00) 124 70 48 5: Zondy - Zonedy Exy = 508 Exg: 5086-(6.14) 8.6) + (8.12+6.81):520 20x2 (20x)2 20y2-120y)2

n (= Exy - Ex = Ey/n r= 48-0 124-0 NTO-0 1.5:0.515/ 97 coefficien of correlation 600 2 variables x \$7 18 0,48. The [ = 0.5/6] covariance is 80. The variance



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31.	Day Mon The wed Thu Fri for	
	10. of acc 14 18 12 11 15 14	ondere entrellation processed at the party of the state o
<b>\</b> 1:	Mull Hypothesis (He): Mociolents are	
	equally sistributed over the days.	
	Alternative Hypothesis (H1): Hocidents	
	are not equally dist. over the days.	
	Test statistic	
	E > 84 (14)	
	0 E 0-E (0-E <sup>3</sup> 22 <sup>2</sup> x <sup>2</sup>	
	14 14 0 40 0 333 18 14 4 35 31143	
	-2 L	
	0 6,643	
	11 12 -3 -0-083	
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	E = 449	
	atx=0.05 6.0.8 for 7-1=60.0.8.	
	92 1.635	7
	$\chi^2$ tab $= \chi^2$ cal	
	to is rejected Thus, accidents	
	eve not equally distriver the	
	days.	
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