			Page no.	
	0			agricus perfectos Services agricus agr
	Regression	Tutorial		
	0	rai a d d		
Egn =>				
y= a+1	576			`
Price (x)	Demand(y)	•		
100		Xy	~2°	
150	20	2000	400 10000	
200	18	2700	22800	7_
300	15	3000	40,000	
	12	3660	90,000	
400	09	3600	/60,000	
500	05	2500		
600	02	1200	260,000	
2260	81	18600	932000	
24	= na bsx	(43400	
J	1/4 55%			
81	- 20 - 16	^		
01	= 70 + 6(2	1200)		
<u> </u>		1 0		
E xy	= pasn+b	SAL		
186	00 = a 2 200	+ b x9320	00	
,				
0/-	-722.991 -0.03rs			
<u> </u>	-m.0315			
₩.				
y =-0'	035722992			
0				

12) y(c) n(I) my n2 ý	(9-0)2
4	(1) 260 ry n2 y	2451.24
	20 80 G4·41	1943.92
	155 240 149-61	1529.59
	65 , 100 - 101 9481	1135.01
	100 160 106.01	6.2001
	115 180 116.61	62.56
	95 140 95-61	106:15
	Ey=760 £763.27	7294-67
	ys atbx	
	THE SHOW IN PART OF	

Ey=na+15=x (1)	(Y-Y)
	1722.25
Eny = a En+ b En2 (1)	1482.25
cina d Cin	2162:25
by solving () and (1)	1892.25
4=22-81+0.52 x	2.25
	42.25
J = 760 - 108.5	7485-71
7	

 $R^{2} = \frac{2}{2} \left(\frac{\hat{y}_{i} - \hat{y}_{i}}{4 - \hat{y}_{i}} \right)^{2}$

R2 = 7294.67 = 0.97 7485.71

R²-0.97 ie 97% g variation is due to x hent is due to other factor.

Date	Page no.
(3)	y=a+bx
	Eytonat ben
	70=100+b(130) (1)
	Emy = a & na b & ne
3	949 = 9(130) + 6(1818) - (11)
	Solviny (i) and (i)
	y= 3.04 + 0.304 x
- 10	72 509 70 509 5
	$S_{b} = \frac{\{(y_{t} - \hat{y})^{2}\}}{\sqrt{(n-(c-1))} \{(x_{t} - \hat{x})^{2}\}}$
. 71	(n-1<-1) 5 (x+- x)?
•	A CONTRACTOR OF THE STATE OF TH
1	16= no. 9 indépendent variable (16=1)
	Sb= 127-34 - 0-16339
•	8 x 128
	t= b = 0.304 = 1.8161
	Sb 0.163
	t 0.018 = 2.306 (given)
	teapulered Stranuar - insignificant
š	1.8161 (2.306
	Thus relation is in significant

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Page no.

9=-8·109+0·088x

Range of forediction level

$$S_{e} = \left\{ \underbrace{(y_{t} - \overline{y})^{2} - b}_{(n-k-1)} \underbrace{(y_{t} - \overline{y})}_{(n-k-1)} \right\}$$

£=2-182