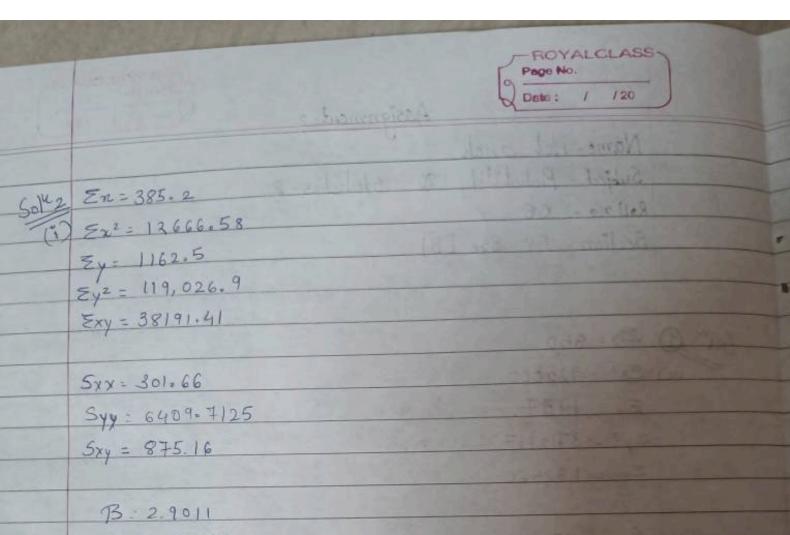
|       | Page No.   |
|-------|--|
|       | Date: / /20  |
|       | Assignment-2   |
|       | Name-Het Shah Subject - Robalisty 90 Statistis-2   |
|       | Ode Company of Company   |
|       | Noti 770 - CO  |
|       | Section - Fy - BSC [B]   |
|       | 16.19192 2 1/3   |
| - W O |  |
|       | Zx = 850   |
| (4)   | ZX = 125000  |
|       | ZY = 1707  |
|       | Cy - 5 + 2 + 1 +   |
|       | Exy = 182560   |
|       |  |
|       | OXY - 85 2+30  |
|       | Syy = 71000-1  |
|       | 5 xy = 3 4915  |
|       | the second secon |
|       | d = 0.040944 170.217   |
|       | B = 0.040944   |
|       |  |
|       | 9= 170.217 + 0.040944x   |
|       |  |
| (6)   | Gradit of the Regrassion line is 176.217 (2).  |
|       | Gradit of the Regression line is 176.217 [8].  |
| 435   |  |

# Shot on OnePlus



$$\lambda = 3.7496$$

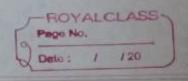
$$\hat{y} = 3.7496 + 29011n$$

i) 
$$6^2 \cdot 1 = \left[ 6409.7125 - 875.162 \right] = 387.0745$$

CI: 2.9011 ± 2.228 x 1. #33

( 0.3771 , 5.4251)

### Shot on OnePlus



= 119.7936 ± 22.1427

(97-6504, 141.9306)

501 8 Ex = 39

Ey = 562

Exy = 2853

Ey2-40508

Ex 2 = 207

(i) Se= Sxx 0.9447

(9i) B = 12.0437 × = 9.2296

9 = 9.2296+ 12.04372

## Shot on OnePlus

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(iii) 55reg = 53xy 5xx = 7963.30

> SSnes = Syy - Sxy Sxx

= 960.295

(9v) R2= 0.8924

501-7

Ex= 174.13

Zx 2 = 7545.40

Ey = 197.84

Ey 2 = 4747.45

Sxy = 2176.84

SXX = 4789.4221

Syy-1189.2076

B= 8,2002

x=-16.8432

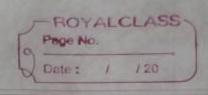
9= -16.8432 +2.0022

277 5

7 302 4

5000 = 400 C

Shot on OnePlus



TEUT 40

43, FP1 - J3

612 Ha: B: 0 H1: B 70

62=194.8121

T.S = 10-77176

Ztob: 4776

Hen Reject Ho.

There is linear solutionship bloom & they.

(fii) x: Sxy - 0.912128.

JSXX.SYY

Ex = 45

Ex2 = 277.5

Ey - 644

Zy2: 43956

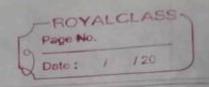
Exy = 2602

Sxx - 75

Sxx = 2482.4

SAY = - 296.

Shot on OnePlus



| 500 | 0 1    | 11        | 1.+     | Hure seem | do | be    | negative |
|-----|--------|-----------|---------|-----------|----|-------|----------|
| (i) | B osed | on the    | PIOU    | LI.       |    |       |          |
|     | linear | Correlati | on lite | 1 Ton     |    | 19 10 |          |

H6: P=0

tanh 'r-tanh' c = Zen

Tul= -2.2289

Zm = ± 1.96 at 8.5% LOS Zm = +2,5758 at 0.5% LOS

Ih & negative correlation at 1-1. LOS.

#### Shot on OnePlus

Stot = 1116.11 Sreg - 516.11 Sres = 600

> dogs of freedom 35 516,1100 172.04 6007 25 27 (116.1)

> > Feal = 172.04 6.88 + 1.20

100000 1 3,000 1

Reject Ho

EY: 1856 (9) Eyi : 174316 DF=104385.94

> Shet = 69930.06 SSneg - 22325.69 SSxx 47604.37

Fral - 89. 814
Fran = 2. 714
Rejet 160

Shot on OnePlus

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(1) T.S = 49.91146 X2 12.59 [reject Ho] SXX = 0.042 544 0.00126 Sxy = 0.0022 Streg = 0.00115 SSxg = 0.0001 MSS 55 Subject degre of freedom 6.00115 000115 0.0000 0.00011 0.00126 Ho: 8:0 Hi: B to T.S= 10.454 F1,1,5-10= 161,4 do not regat Ho. 554, 6760c, 37

## Shot on OnePlus