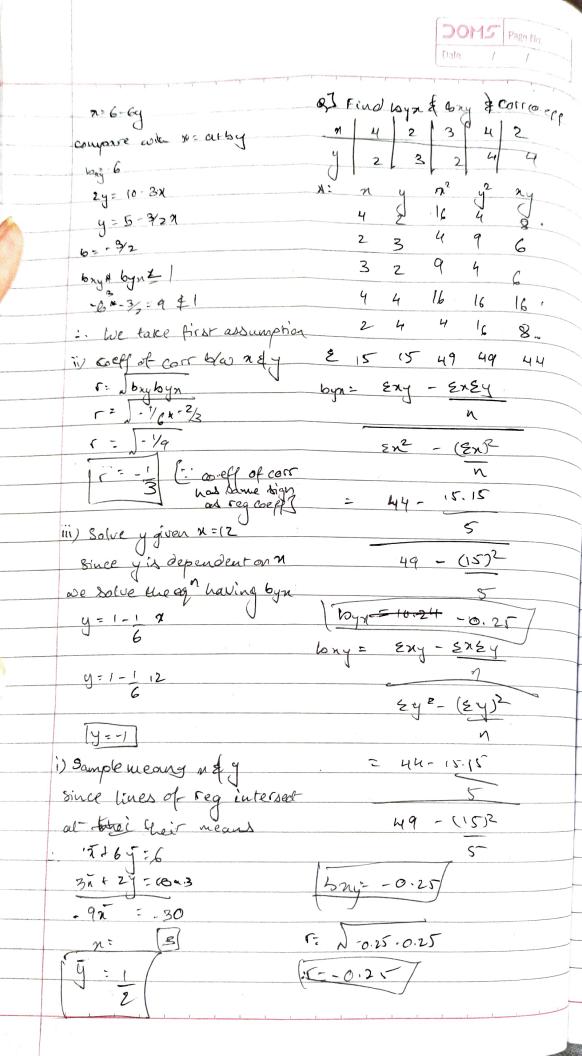


Date / Page No. byn: Edroy - Edr Edy 5. Both reg coeff's will have the hame sign. 2022 - (EOn)2 6. co. eff of corr has same sign as reg weff's. bry: zondy - zdredy - Properties of lines of regression Ed - (5'dy)2 1. The two lines of reg x y & y, n always incorsect - Properties of conteration at their medens. co efficient l. r, byn, bny all have 1. co-efficient of correlation Same signs! 3. if r=0, reg co-effare 0 is the geometric mean 4. Rog. Cines second of the coefficients of identical if r=+1, if regression, i.e. [ - I by a bay r:0 fee lines are 1. If one of the reg cooper's In to each other. greater than I, other must be less than! as Given: - x+6y=6 3n+24=10 bynbay L 1 is sample means not y 3. The A.M. of reg co-eff by NEGY=6 greater than or equal ro y=1.16x co-eff of corr. i.e. [ (bxy+ byn) ? ] Compare with yearbox boyn = -1/6 4. Regression co-eff are 39+24=10 independent of change of 37=10-24 origin but not of scales n-10/3-734 boady k by compare with x = atby 6 my= -2/2 Boyon = to by E- bry byn & 1 ofor reg 2/3: 163= 19 1



DOM5 Page No. Date / / QI out rieg lines & core coepe " Curve Fitting said 100 98/ 78/ 81/110/93/20 It is an enact

Purchase 85 90 70 72 95 81 74 relationship 6/100 too on dy dri dye dray 6:00 variables by algebrain 09,2 5 9 25 | 81 45 Those of a way & of -15 -11 225 121 165

-8 -9 64 81 72 19 14 289 196 238

Eny = asn+ box n2 -13 -7 169 49 91 2 .7 0 821 544 639

0] find straight line & best fir En = 644 Ey = 567 14 27 40 55 68

Xi St lineig a + 67 E. 242- 120212 34 = an + 65x - 1

Syz-aEn ab En 2 27 4 44 3 40 9 120 - 639 - 8 821-49/7 c 0.785

Zlong: Edndy-3dnEdy 3 40 9 Edy - (20)2 5 16 220 68 25

104 55 748 104 55 748 215 2 639 504 - 82+1012 ×3 544 848 = 15 ats16 non 92:

ar=0 y=18.6 (m-5/1) = 1.1746(y-Q1) y=a+bn 136= Y=0+13.67

4 -0.785 N + 8.18

