Chang King Tung Meharl And SID: 2069 2275



leg tope transformation. From scatter-plot 1, we can 1-4 that the log-log scatter plot have a linear Heter pattern wells while the original does not.

e-13.363 = 1.572 × 10-1 e-7.861 - 7.839 ×10-4



we an 95% confident that the 'medu' is in Water between the range of 1.572 X 10 to 3,839 X 104

The 1800 Linearity, equal variance and the 16.91 himality. Then the residual plat, we are see that there is a funnel In the ever (violates equal var). Mire the normal QQ pl-t have steeness

right skew (hirmality) and linearity)

26), Dallas and RH

b) To No, as the crefficient of Type. Floation which is only 0.0165 20, so it makes no significant difference

17.2

Chang King Fung Michael Ag 1. SID: 2069 2275



26) 771

Y = 0.1935 + 0.0156 X1 + -0.017 X2 + 0.0035X3. - U. 014/X4 + U. WH X5 + 3.328X10-5 X6 + -0.0435 + 0.0724 +0.1481 + 0.1481 x (-0.0033) X5

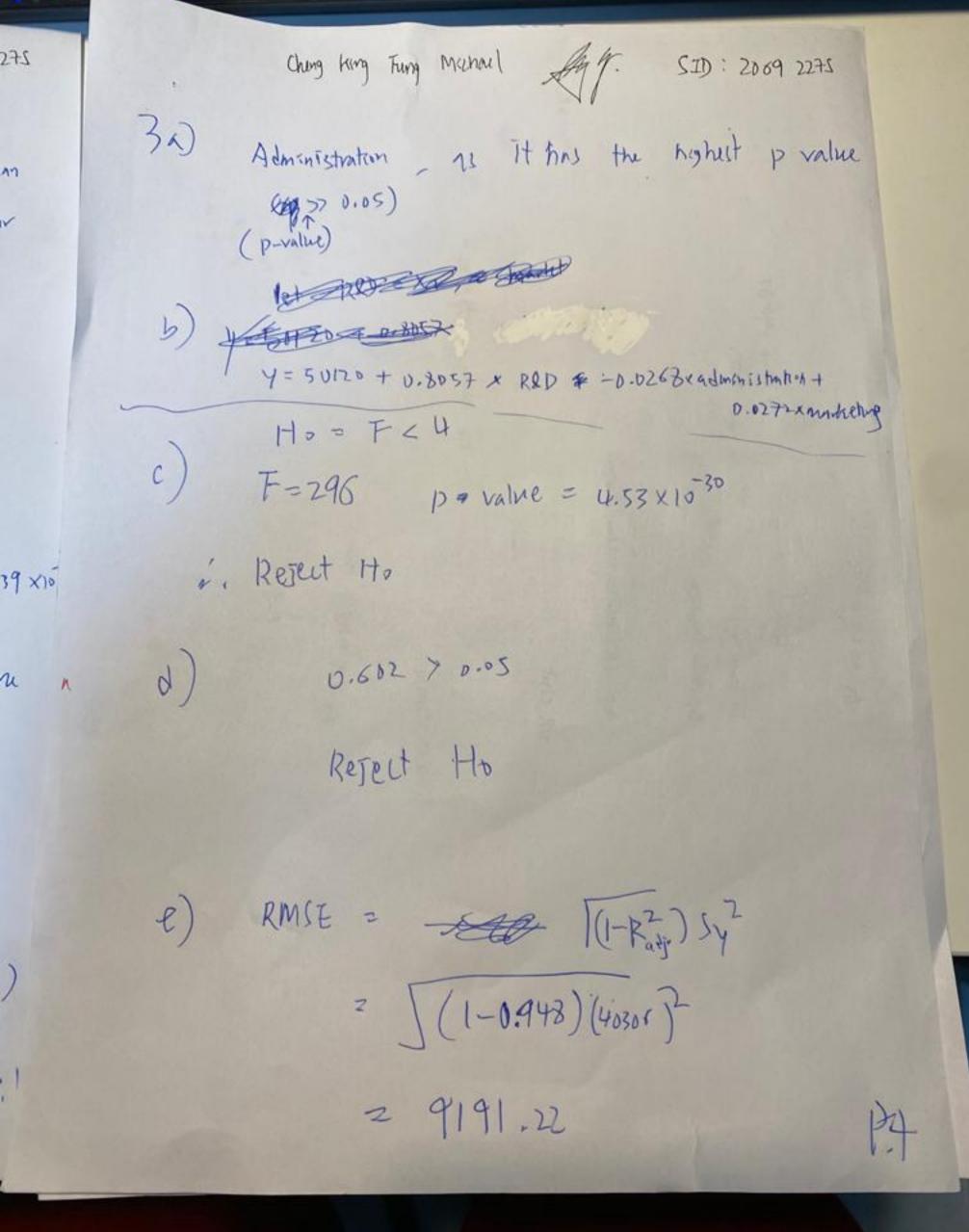
Y = 0.3706 + 0:0151x, -0.0017 X2 + 0.0035x3 - 0.0141 x4 + 6.61127 × 103 × 1 + 3.32(× 103 × 6

9×28 b)7V The of Bo changes from 0.1935 to

0.3711

White /nx. nusor changes from 0.0071 to

6.61127×10-3



25 Chang King Fung Muhaul Ag 1. SID: 2069 2275 7 = 50120 + 75000 (0.857) + 110000 (-0.0268) + 211100 (0.0272) Y 2 6 111967.5 expected profit is \$ 111957.5 the performance of the company is very good. It Out performs our model, 9 x104 3 y) No, 43 the VIF of all that productors 22 10

アナ

With the second statement Ching King Fung Michael Ag 1. SID: 2069 2275 69 2275 40) Best xtor 1 productors = Age) can can Best for 2 predictions = (Age, HP) THEAV Best ator 3 productors z (Age, KM, HY) (Age) (Age, HP) (Age, KM, HP) 3,839 x104 c) 1+p(p+17 the 21+3(3+1) -27 1 (4979.9561 (Age) 2 (4965.8036 (Age, HP) 3 (4967.1074 (Age, KM HP)

p.6

2275 CAN RAV 339 X104

Ching king Tung Manal Age SID: 2069 2275

SA)

No, be cause classification mathers requires

a veryonce (Y), but customer segmentation

To this case does not

Label = Z

c) Her, we can see that the pl-t decrease dramatically after k=3

Label = 1 (Normal entimer)

Label = 2 (normal entimer)

It is becomes worth label D spent the less and money and the mist in time, while label I spent a good most miney and a good large period of time, so it is light, while the lesturer (label 2)

Ching King Fung Michael & SID: 2069 2275 5e) Yes, as he can use hierarchical clustering to visualite the behaviours by a dendrogram 4 = 123.22 92.8 6 + U.507 (X) 4th 91.701 + U-522 (X) Ý2 = [11.05] 9 2110.038 9 2 120.635 3rd MSE = = (4-9,)2 44 2 1.227773 2/ 125.02 4 H M/E = 0.806012) 110.493 73 109.449 4-618 + V.62417 V.690561 +1.227973 CV 120.41 MSE + 0,006012 z 3,348 4

4

140842

ozzzs ozcal ngram

Name: Chang Horn Fing Student ID: 20692275

pid

-01 2275 hierarchical a dendrogram Cheny boy Truny Munael 2,602273 It's 90.621 %. chance will give be cronct him some a sout the true posstive (predict passed and reality pross) KS measure 75 Around Combo 0.67 4) AND MIPR 1104