cy = n-p-1: 25-2-1=22 pule > ulph = v. 45 -> fill yet the 1/0.

Tis were that we do not here softwird evidence to curche that 13, is gooding the o

p-whe < alpha = 0.05 -> Kejut the 1/0.

The means we have sufficient existence to conclude that the is not equal to o at the own spiferon but.

C. p. + try x SE yk) uj: n-p-1 = 25-2-1=22 = 0.05 -> t whe = 1.7.7

Lever Limits 3.1 - 1.7.7 x2.3 = - v. 25

(-0.85. 7.05)

Uppar Limit: 3.1 + 1.7.7 x2.3 = 7.05

d d: 22 a/2 = 0.005 -> t use =2.819

Low Limit = 0.92 - 2.819 xv. 27 = 0.16

(0.16. 1.68)

Upp Limit . 0.92 + 2.219 xv. 27 = 1.68

12.13

a. B-estimate X.: For early we wit increase in the propress of the black that is low-classy residential over , we expect the population classicy to increase 2006 with, assuring the propress of the black that is ligh-classy residential over venerals constat.

B-estimate X: For early we wit increase in the program of the black that is high-classify recidental over , we expect the population classify to increase 5000 with, assuring the program of the black that is low-classify recidental over remains constit.

The integet hum 1-0.030ers represents the expectal property when both X and X2 are Zerv. In the cutake, it mult required the population clearly in a block that has an resolvetal curves, which may not have a protect independent in

- b. K2: 0 bbb mens the expositedly bb. bb. of the verbling in popular clearly can be explicit by the property of the block that is law clearly residential even out the property of the block that is light-clearly residential even. The venery 31.4% of the verbling in popularism clearly is one to other firsts and included in the model.
- c. Mo B. Be vs. He At least we of B, end Be is us egul to v.

d. F: (Tis-Riss/p) = (R2/p)

c. The pulse to francistic of 155.27 is extently smill. essentially zero.

Hejre ne 1/0.

Gim K= 0 686. p=2. n=125

The means that we have stay explore to comple that at least one of the pulsars in it synthesis related to the response visible at the any synthem lad.

Ho! B. B. B. B18 -0 Ha! At last in y B. Br. Brs is not egul to o. F= (R*/p) Gim: K=0.95, p=18, n=20 ± 1.0b This were the we all we may evidence -> p-we = v. bsb to cuchle that at least one of the pulicked is > explor = 0.05 spifory velocil to de respuse viable SAT sue LA Fiel to rejet the to and the 0.05 significance level. In other unls, chapte the ligh K+ whe. the mobil closes not graphe stry existence that the psychological and sociological futus are useful in purcticiting still sever. ofine one small Emple size and the large number of pudictus. 12.36 a. j = 52484 + 2941 x10 + 16880 x0 + 11108 x1 b. 9= 52484 + 2941 x10 + 16880 x1 + 11108x0 C. The problem values given in part a und be one part estimate, many may represent a single "best given" to the solery of a UPA member given their years of experience. Pass seeks, and manyer stocks. However, these print extincts do not assure Ju the uncertainty associated with publicains. At 95% pudiction invand, pands a verye of values that is takely to centain the accord salary of a UNH member with a certain level of confidence. This instant executes for the variety in the chara and the concerning in the politicism. In other meds, a publiction intend gous a verye in which we can be judy confidence the count with fell, assuming the model is convect It provides were infrarety then a point estimate by querifully the executively in the specialism. 12.174. a. 9=90.1-1.34.x.+0.265.x2 b. K = 9.6%. This means that 41.6% of the variety in the vasquise vience y can be explained by the pulieurs X and Xe in the model. The ventury 3.4%. of the veribility in y is she to other Junes unt includ in the mount. C. 170: B. + B2 =0

Sice the proble wall is los then the striftim land (u > 0.05), we reject the Ho. This were that we he stry enclare to cuchle that

at least we of the puliates is on xe. is significantly related to the response visible y at the o. us significan level.

Hu: At last un of B, on Be is not again to U.

Gian: F-sussic : 6491 and the consprolling p-who is v.w1

d. Ho: B.=0 vs. Ha: B. +0

p-uhe = 0.001 -> less the apple = 0.05 -> reject the 1/0 and conclude and to is significantly rebuil to y.

C. Ginn S= 10.63.

The wever that, an energye, the count values of y clearise from the publish values given by about 10.68 units. In other words, if we use the model to produce y bound on the publishs X, and Xe. we can expert the speciation to be iff by about 10.68 passes an energye.