roisserger elpmis

Posidual sum of squares $[RSS] = 8^2 + ... + 8^2 = (4_1 - \beta_0 - \beta_1 \times_1)^2 + ... + (4_n - \beta_0 - \beta_1 \times_m)^2$ Residual sum of squares $[RSS] = \frac{2}{1} + ... + 8^2 = (4_1 - \beta_0 - \beta_1 \times_1)^2 + ... + (4_n - \beta_0 - \beta_1 \times_m)^2$ Residual sum of squares $[RSS] = \frac{2}{1} + ... + 8^2 = (4_1 - \beta_0 - \beta_1 \times_1)^2 + ... + (4_n - \beta_0 - \beta_1 \times_m)^2$ Residual sum of squares $[RSS] = \frac{2}{1} + ... + 8^2 = (4_1 - \beta_0 - \beta_1 \times_1)^2 + ... + (4_n - \beta_0 - \beta_1 \times_m)^2$ Residual sum of squares $[RSS] = \frac{2}{1} + ... + 8^2 = (4_1 - \beta_0 - \beta_1 \times_1)^2 + ... + (4_n - \beta_0 - \beta_1 \times_m)^2$ Residual sum of squares $[RSS] = \frac{2}{1} + ... + 8^2 = (4_1 - \beta_0 - \beta_1 \times_1)^2 + ... + (4_n - \beta_0 - \beta_1 \times_m)^2$ Residual sum of squares $[RSS] = \frac{2}{1} + ... + \frac{2}{1} +$

- 2 In general Sample mean umbiased $\hat{u} = \bar{q} = \frac{1}{2} \stackrel{<}{=} q$; and $2E(\hat{u})^2 = \frac{1}{2}$ where m is the Soof each realization of; of $\hat{q} = \frac{1}{2} \stackrel{<}{=} q$; and \hat{u} differ from actual value of \hat{q} .

SE(B) $^{2} = 0^{2} \left[\frac{1}{n} + \frac{x^{2}}{x^{2}} \right]$, SE(B) $^{2} = \left[\frac{0^{2}}{n^{2}} \right]$ when $0^{2} = \text{Van}(8)$ supposing common marion a as and uncoupled $^{2} = 1$

obstructions; the formula that $SE(B_1)$ is smaller when the x_1 are more expected and; inhibitingly we have more leverage to extend the slope when this is the case, we also see that $SE(B_2)$ which case that each other will be some as $SE(\widehat{u}) = SE(\widehat{u}) = SE(\widehat{u})$.

Quis denotates at the mode stands = VPSSUM- CS-MINES AV- CONTRACT CONTRACT CONTRACT CONTRACT CS-MUSCANARUS ... evis noissages amount the response will be model outsider of life about outsider contractions of the model.

of , philipaday 328 At in talt was a clara go agran as a legist de subolicity, the samples is the suit of the anishes is in spending sound of the suit of the subolicity of th

Ha: there is monelationally between X and 4: B, = 0 => 4=Bo+(mull)

Ha: there is some " " " B, ≠ 0 => 4=Bo+B, x+ € (otternatur)

? Agroms is refused. O most para for all politicistly is alter too to too to too to the sement? I cause of in sold is (B) 32 finalt reliables of and is light in (B) 32 finalt reliables of and is light in (B) 32 finalt reliables of and is light in (B) 32 finalt reliables of an object of the sements of the

t-stalistic => t = $\beta_1^2 - 0$ | the number of Sethal β_1^2 is from 0). with m-2) degree freedom.

SE (β_1^2) | Laure as gaussian for m>20.

us meed to compute the probability of observing any number equal to IFI as larger, assuming B = 8 = 7 this is the produce. Small + nalue (< 5% as 1%) means it is unlikely to share association between predicator and response out to changle: expended hypothesis.

Accuracy of the model (once rejecting the mull)

227 ptoledoiron aft is holder around go noitrapor att = 5 A calo tud 92A

227 ptoledoiron aft is holder around go must botol is 5(p-; p1] = 227 earlier

227 ptoledoiron aft is holder is noisearger aft arolad associación aft go travelor

notherpay at sourcesm 5 A. (moisserger aft god beinedge pt. Did o non go truema (22A-22T) of nariability in 4 that can be septembel using X. M2 = 1 good. But hard to dermine the . Capbelword momob = 5A Agis

Multiple linear regression

Ha at least one By is mon foro. This happthosis is performed using F Hoi B, = Bz= .. = Bp= 0

stabilic F = 1752-ASSI/P . ig the amount would be seen as 2271 = 7 situlate ASSI/A - P-1)} = 03

and provided to is true E{(155-PE)/PZ=02 = 5:38 no abbiomship fix class to 1, Brown to large does Freed to be? (3) ? of of Brown and F?!

. of terrisops another gnorte is noile inch llema girl is m g; is of been a governt to. if nis small we need a strong deviation. But in all case, according to mand p,

we look at the p-nalue of F. (because folloce f-dutubuliar).

o test a parlicular subject of of the coefficients are zero. we fit a new model without the o pr(22A-022A) = 7 makt ozza beg bana (1-9-1)\22A

· In smultiple regression, we get +-stabilitie and p-nolve for each individual walter it is related to the response). It is equivalent of the F-statistic that amit that single variable, leaving all the others in.

oft of betalor is one book to, slama is sular-a couprisher alt go one pro be tall amose the. de les ors this is flawed. => i.e if p=100 => b== b 100=0, about 5% will be below 0,05 by change. But F-stalistic doesn't suffer from that as it agusts from the Olive situate - 7 alt took agnobe of 20 plane deadt, evit is of fissenest. Looking to relawin result in a p-nowe before 0.02, regardless the number of predictors, But this appoint only when p is small, and small relative to m. otherwise use forward selection or

high dumens is most had. p-malue big (of F) -> modaliomaly · Mothod in multiple regression -, got Fatalistic

> P-walue of Fix 2 mall nos su Domaia giv BPis big Variable soloction: che can una Mallow & Cp. ASC, roled individually the BIC, adjusted R2 (28). But with a podidor tud 1 gmi umon team . you is used to a slobom almost both is top our not the best way).

moitogled browned begin with a mull model of an not see in ability on bon spentan Obe bue moissarper regress against 9118 Duran told shower and lobom soun aft of in the lowest RSS. We then meet going

Bachward On the trotases pariables, and remove theore with largest nallie. And repeat

llet blo grulton stive trois Steward out to enough sulon 4 >, then we remove it. We report . De reference 4 elema 1967

1:00 a certain thesold. ott omber apaula incuare (closer to 1) as we add maria bles, be one always reduce the 1 V= 984 calf. stab fining of the receipt formed barbider get A reservor aft of mileder should in 22 A me asserbed of fisza 1 top