Perpeccus D/3 1.

Doκagath closerlo:
$$R^2$$
. $Lorr^2(y_1, \hat{y}_1)$
 $R^2 = \frac{EGG}{TSS}$; $Lorr(y_1, \hat{y}_1) = \frac{Cov(y_1, \hat{y}_1)}{Oyog^2}$
 $Corr^2(y_1, \hat{y}_1) = \frac{cov^2(y_1, \hat{y}_1)}{(Oyog^2)^2} = \frac{cov(y_1, \hat{y}_1) \cdot cov(y_1)}{Var(y_1)Var(\hat{y}_1)}$
 $= \frac{cov(\hat{y}_1 + \epsilon, y_1) \cdot cov(\hat{y}_1 + \epsilon, y_1)}{Var(\hat{y}_1 + \epsilon) Var(\hat{y}_1)}$
 $= \frac{(cov(\hat{y}_1, \hat{y}_1) + cov(\hat{y}_1, \epsilon))(cov(\hat{y}_1, \hat{y}_1) + cov(\hat{y}_1, \epsilon))}{Var(y_1) Var(y_1)}$
 $= \frac{Cov(\hat{y}_1, \hat{y}_1) \cdot cov(\hat{y}_1, \hat{y}_1)}{Var(y_1) \cdot Var(y_1)}$
 $= \frac{EGG}{(Oyog^2)}$
 $= \frac{cov(\hat{y}_1, \hat{y}_1) + cov(\hat{y}_1, \epsilon)}{Var(\hat{y}_1)} \cdot \frac{Var(\hat{y}_1)}{Var(y_1)}$
 $= \frac{Cov(\hat{y}_1, \hat{y}_1) \cdot cov(\hat{y}_1, \hat{y}_1)}{Var(y_1)} \cdot \frac{Var(\hat{y}_1)}{Var(y_1)}$
 $= \frac{EGG}{(Oyog^2)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Var(\hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{EGG}{(Oyog^2)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{Cov(\hat{y}_1, \hat{y}_1) \cdot cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Var(\hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{EGG}{(Oyog^2)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{EGG}{(Oyog^2)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{Cov(\hat{y}_1, \hat{y}_1) \cdot cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{EGG}{(Oyog^2)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{Cov(\hat{y}_1, \hat{y}_1) \cdot cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)}$
 $= \frac{EGG}{(Oyog^2)} \cdot \frac{Cov(\hat{y}_1, \hat{y}_1)}{Var(\hat{y}_1)} \cdot \frac{Cov(\hat{y}_$

(2)
$$\sqrt{2} \cdot \sqrt{2} \cdot \sqrt{2$$

$$\frac{\partial^2 f}{\partial x^2} = \frac{1}{2} \left(\frac{\partial f}{\partial x} \right) = \frac{1}{2} \left($$

$$E(\beta + (x'x)^{-1}x^{-1}\epsilon) = \beta + (x'x)^{-1}x^{-1}E(\epsilon) =$$

3 Doe B2 B3 > 0 COV(Xz, Xz) <0 COV(Y2) > 0 B320 Doe Bil COV (X1, X3) > 0 (no yendouro) 33>0 B3<0 Bulog: chellethe opper:
. 3 Hakou nou nongry. B3 Hanpalorenuem class nemgy paccin-en Bi u B3 reportusentiem (closso le Hamen conside-robapiane)

2.7.9.