$$P^{2} = 1 - \frac{RSS}{TSS}$$

$$P^{2} = 1 - \frac{RSS/(n-k)}{TSS/(n-k)}$$

$$P = tcs + \int_{TSS} \int_$$

PSS_R
$$\Rightarrow$$
 PSS_{UR}

TSS_R = TSS_{UR}

ESS_R \leq ESS_{UR}
 $R^{2}_{R} \leq R^{2}_{UR}$

la) H_{0} : $\beta_{2}=1$
 H_{a} : $\beta_{2}=1$
 H_{a} : $\beta_{2}=1$
 H_{0} : H_{0} : H_{0} :

3; 4.7

Ji = B1 + B2. X2; + B3. Y3; + 4;

(b)
$$H_0: \beta_2 = \beta_3 = 0$$
 $H_a: \beta_2 \neq 0$
 $B_3 \neq 0$

$$t = \frac{|2^2/k^{-1}|}{(1-k^2)/h^{-k}} + (...)$$

$$\begin{array}{lll}
\mathcal{J}_{i} &=& \int_{0}^{1} + \int_{1}^{1} \mathcal{X}_{i} + \mathcal{U}_{i} \\
\mathcal{J}_{n+1} &=& \int_{0}^{1} + \int_{1}^{1} \mathcal{X}_{n+1} \\
\mathcal{E}(\hat{\mathcal{J}}_{n+1}) &=& \int_{0}^{1} + \int_{1}^{1} \mathcal{X}_{n+1} \\
\mathcal{E}(\mathcal{J}_{n+1}) &=& \int_{0}^{1} + \int_{1}^{1} \mathcal{X}_{n+1} \\
\mathcal{E}(\mathcal{J}_{n+1})^{2} &=& \mathcal{E}(\int_{0}^{1} + \int_{1}^{1} \mathcal{X}_{n+1} + \mathcal{U}_{n+1} \\
\mathcal{J}_{n} &=& \int_{0}^{1} \mathcal{X}_{n+1} \\
\mathcal{J}_{n} &=& \mathcal{J}_{n} &=& \mathcal{J}_{n} \\
\mathcal{J}_{n} &=& \mathcal{J}_{n} &=& \mathcal{J}_{n}$$

$$Se(\hat{A}_{n+1}) = \sqrt{S^{2}(1 * \frac{1}{h} * \frac{(x_{n+1} - x_{1})^{2}}{\sum (x_{1} - x_{1})^{2}})}$$

$$T_{n+1} : \int_{1}^{\infty} \hat{A}_{n+1} + \frac{1}{h} \frac{(x_{n+1} - x_{1})^{2}}{\sum (x_{1} - x_{1})^{2}}$$

$$E_{n+1} : \int_{1}^{\infty} \hat{A}_{n+1} + \frac{1}{h} \frac{(x_{n+1} - x_{1})^{2}}{\sum (x_{1} - x_{1})^{2}}$$

$$E_{n+1} : \int_{1}^{\infty} \hat{A}_{n+1} + \frac{1}{h} \frac{(x_{n+1} - x_{1})^{2}}{\sum (x_{1} - x_{1})^{2}}$$

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$$E_{n+1} : \int_{1}^{\infty} \hat{A}_{n+1} + \frac{1}{h} \frac$$

TSS= ESI+ESS TSS = \(\(\frac{1}{2} \) \(\frac{1}{2} \) ER) = 5(g: -y12