$$\beta_{i} = \frac{G_{w}(x, y)}{V_{w}(x)} = \frac{\Xi(x; -\overline{x})^{2}}{\Xi(x; -\overline{x})^{2}}$$

$$\Xi(x; -\overline{x})^{2} \left(x + y, x + \xi - y - \xi \overline{x} \cdot \overline{\xi}\right)$$

$$\Xi(x; -\overline{x})^{2}$$

$$\Xi(x; -\overline{x})$$

Bocs = (x/x/ x/y Assumptions of Assumptions of linear model · stochastic regressors 1) E(E; 1X) =0 E(E)=0 1) F=(E) =0 E(E|X) 2) (x,, y;) i.i.d. 2) E(&&') = b'_{\xi}. I =(&&' |\xi) 3) ran |\c(\x) = K 3) E(X;) 20, E(C;) <0 4) rank(X)=K (=) ho perfect m.c.

5) Van(4; 1x;) -62 Van(4;) = 64 5) 6; 1x; ~ N(0,62) & ~ N(0,64) $Q_{i} = \frac{\chi_{i} - \chi_{i}}{\sum (\chi_{i} - \chi_{i})}$ x- \(\frac{1}{2}\) = 0 2) $\Xi a_i^2 = \Xi \left(\frac{\chi_i - \chi}{\Xi(\chi_i - \chi)^2}\right)^2 = \frac{\Xi(\chi_i - \chi)^2}{\Xi(\chi_i - \chi)^2} = \frac{1}{\Xi(\chi_i - \chi)^2}$ 3) $Z\Omega_i X_i = Z(X_i - \overline{X}) X_i - Z(X_i - \overline{X}) \overline{X} = 1$ $E(\beta_i) = \beta_i + f(\sum \alpha_i \alpha_i) = \beta_i$ $t=(\beta) = \frac{Cov(x, ty)}{Van(x)} = \frac{Cov(x, y, f) \cdot x + E(f)}{Van(x)} = \frac{Cov(x, y, f) \cdot x + E(f)}{Van(x)}$ Var(x)

$$\beta_{1}^{2} = \frac{\delta^{2}_{2}}{Z(Y; -X)^{2}}$$

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$$\frac{\delta^{2}_{1}}{Z(Y; -X)^{2}} = \frac{1}{1}\left(\left(\beta_{1} - \beta_{1}\right)^{2}\right) = \frac{1$$

$$= 6\frac{2}{6} \left(\frac{1}{h} - 2 \cdot \frac{\overline{\chi}}{h} \sum_{i} a_{i} + \overline{\chi}^{2} \cdot \sum_{i} a_{i}^{2} \right) =$$

$$-\frac{\delta^2}{2}\left(\frac{1}{n}+\frac{\sqrt{2}}{2(x_i-x_i)^2}\right)$$

$$Var(\hat{\beta}_{i}) = \frac{\delta_{i}^{2}}{TSS_{j}(1-P_{j}^{2})} \quad \text{in the date } \Lambda$$

$$Var(\hat{\beta}_{i}) = \frac{1}{TSS_{j}(1-P_{j}^{2})} \quad \text{in the date } \Lambda$$

$$2) \text{ regressor does}$$

$$1 = \frac{1}{2} - \text{ coed. of determination} \qquad 3) \quad R_{i}^{2} \approx 1$$

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$$1 = \frac{1}{2} - \frac{1}{2} - \frac{1}{2} = \frac{1}{2} - \frac{1}{2} = \frac{1}{2} - \frac{1}{2} = \frac{1}{2} = \frac{1}{2} - \frac{1}{2} = \frac{1}{2} =$$

$$N = 37$$
 $V_{1} = A \cdot K_{1}^{2} \cdot L_{1}^{2} \in \mathcal{F}_{1}, A \cdot K_{2}^{2} \cdot L_{1}^{2} \in \mathcal{F}_{2}, A \cdot K_{2}^{2} \cdot L_{1}^{2} \in \mathcal{F}_{2}, A \cdot K_{2}^{2} \cdot L_{1}^{2} \in \mathcal{F}_{2}, A \cdot K_{2}^{2} \cdot L_{2}^{2} = \mathcal{F}_{2}^{2} \cdot L_{2}^{2} \cdot L_{$

- 0,60g < Bz < 0,03

