

3) $y_i = \int_{\mathcal{X}_i} + \int_{\mathcal{X}_i} \log(x_i) + c_i$ $\frac{dy'}{d\log(x_i)} = \frac{dy'}{\log(x_i)} = \frac{100}{\log(x_i)}$ X 11% => y 1 /100 (05 (4;) = pot x; + &; d lojý / dy'/yi / = 100 · ß, x 1 1 y 1 100. /3 %. Quadratic tems y' = for B, X; + B2 X; + E; dy/dx; = [p, + 2 Bz xi] id X:=0 X:11 => y:13, (sign) direction and sharpens

Multiplicative terms y: = 130 + 81×1: + 82. 1/2: + 83×1: X2: + 2: $dy_i/dx_{ii} = \int_{0}^{x_i} + \int_{0}^{x_i} 3^{x_{ni}}$ $\beta_1 : \chi_1 \downarrow \downarrow \qquad \qquad \text{if} \quad \chi_2 = 0$ \rightarrow Sel: Centering $x^* = x_i - \overline{x}$ yi = y; - 4 B*: X1 11 y 13, 14 x2 = X P3: sign - direction of effect Value - size of effect

$$F(.) = \frac{y^2 - 1}{x^2} \qquad \begin{array}{c} \lambda = 0 & -1 \log y \\ \lambda = 1 & -1 \end{array}$$

$$\frac{1}{1}$$
, $\frac{1}{1}$

$$\frac{n}{2}$$
 | log RSS1/RSS. | $\sim \chi^2$