· 吐色性的生物: Yi = fo+fix; + fi, , i=1,2,..., n

(#123464) X = XB + E

MINERIA MIN EE (LSM)

 $Q = \overline{z}, \overline{z} = (\overline{x} - \overline{x}\overline{t})(\overline{x} - \overline{x}\overline{t})$

 $\frac{\partial Q}{\partial \beta} = 0 \Rightarrow \chi' \times \hat{\beta} = \chi' \cdot \hat{y} \qquad (\beta = \chi' \cdot \hat{y} - \chi' \cdot \hat{y} + \chi' \cdot$

Min 5 (/: - Bo - Bin;) 2
Bo, Bi = 1

 $Q = \frac{1}{2}(Y_{i} - \beta_{0} - \beta_{1}X_{i})^{2}$

 $\left(\frac{\partial a}{\partial \beta} = 0\right) - 2 \frac{1}{2} (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} + \beta_{i} \in X_{i} = \xi)^{1}, \quad (\gamma_{i} - \beta_{0} - \beta_{i})^{1} = 0, \quad (\gamma_{i} - \beta_{0} - \beta_{0})^{1} = 0, \quad (\gamma_{i} - \beta_{0} -$

; 263 HAZI

No. day (9-2 year month $\begin{array}{cccc}
\hat{\beta}_{0} &= \overline{y} - \beta_{1} \overline{\chi} \\
\hat{\beta}_{1} &= \overline{Scxy}
\end{array}$ $\left(\widehat{x} = \frac{\sum x_i}{n}, \sum_{n=1}^{\infty} \frac{\sum x_i}{n}, \sum_{n=1}^{\infty} (x_i - \overline{x}_i)^2\right)$ $S(xy) = \sum_{i=1}^{n} (x_i - \overline{x})(Y_i - \overline{y})$ $Y_i = Y_i - \hat{Y}_i = Y_i - \hat{f}_0 - \hat{f}_1 X_i \quad i \text{ Ath veridual}$ $(2 \pm 2 + i)$ - Y' = E' · M 字对 (与H(Huber) 4 M 字对) LS(Lease Squares) $\frac{1}{2}$ %; $\frac{1}{2}$ 0(2)= $\frac{2^{2}}{2}$ $\frac{1}{2}$ 0($\frac{1}{2}$ 0) $\begin{cases} 2 & |z| \leq C \\ C(2|z|-c), o, \omega. \end{cases}$ (c=1,345)Huber's Mertimation: (6 = MAD (Median of Absolute Deviation) = median (MI), MI, ..., MI)/0 (17 CHUNIL



