

B=(xx)+13 How well does this model perform?

this is not in extrapolation !!! $SSE = \sum_{i=1}^{n} e_i^e = \sum_{i=1}^{n} (y_i - \hat{y}_i)^2 \qquad g(\vec{x}_i)$ = $(\vec{y} - \vec{y})^{T}(\vec{y} - \vec{y}) = ||\vec{e}||^{2}$ $\frac{3}{\hat{y}} = \begin{bmatrix} \hat{y}_1 \\ \hat{y}_2 \\ \vdots \end{bmatrix} = \begin{bmatrix} X_1 \vec{b} \\ X_2 \vec{b} \end{bmatrix} = \begin{bmatrix} X_1 \vec{a} \\ X_2 \vec{b} \end{bmatrix} = \begin{bmatrix} X_1 \vec{b} \\ X_2 \vec{b} \end{bmatrix} = \begin{bmatrix}$ =) $\chi (x^{T}x)^{-1}x^{T}y^{T}$ H = heat matrix HERM rank [H] = p+1 $y = b_0$ $y = b_0$ J= bo + b1 X1 + -- bpXp

Hus 15(9) 31 vector chimention p+1



