

Solve for B $\beta_0 = \frac{17}{3}$ $\beta_1 = -\frac{259}{201}$ $\beta_2 = -\frac{257}{402}$ The predictor function is: $Q(x) = \begin{bmatrix} 1 & x \end{bmatrix}$ 9 (x) = Bo + B1 x (1) + B2 x (2) $= \frac{77}{3} - \frac{259}{261} \times 10^{-2} \times 10^{2}$ g(x7) = 6439 $g(x_1) = \frac{318}{134}$ $g(x_4) = \frac{203}{61}$ $g(\lambda_8) = \frac{2575}{201}$ g(x2) = 402 g(x5) = 6443 $q(x_3) = \frac{1375}{67}$ $q(x_6) = \frac{5929}{402}$ $q(x_9) = \frac{5917}{402}$ TE(3,T)= - Z (yi-)(xi) $TE(3,T) = \frac{1}{9}\left[(15 + \frac{3.181}{134})^2 + (24 - \frac{9029}{402})^2 + (32 - \frac{13.75}{67})^2\right]$ + (16-12032 + (15-6443)2+(21-5929)2 + (12 - 6439) 2 + (6 - 2575) 2 + (18 - 5917) 2] TE(9, T) 2 36, 41